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**PRESSURE DISTRIBUTIONS OBTAINED ON A 0.10-SCALE
MODEL OF THE SPACE SHUTTLE ORBITER'S FOREBODY
IN THE AMES UNITARY PLAN WIND TUNNEL**

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Space Shuttle Orbiter's Forebody in the
Ames Unitary Plan Wind Tunnel

Paul M. Siemers III and Martin W. Henry

Summary

Results from pressure distribution tests on a 0.10-scale model of the forebody of the Space Shuttle Orbiter are presented without analysis. The tests were completed in the Ames Unitary Plan Wind Tunnel (UPWT) 9x7-foot and 8x7-foot test sections. The model was tested at angles of attack from -2° to 24° and angles of sideslip from -6° to 6° in both sections.

The tests were conducted in support of the development of the Shuttle Entry Air Data System (SEADS). In addition to modeling the 20 SEADS pressure orifices, the wind-tunnel model was also instrumented with orifices to match Space Shuttle Orbiter Columbia (OV-102) Orbiter Flight Test (OFT)/Development Flight Instrumentation (DFI) port locations and with additional auxiliary diagnostic orifices.

Introduction

The SEADS is an across-the-speed-range flush orifice air data system proposed for installation on the Space Shuttle Orbiter (ref. 1). The system consists of 20 pressure orifices, 14 of which are arranged in a cruciform pattern and are installed in a baseline geometry nose cap assembly. The other six are located on the forward fuselage. An extensive flow-field model development program has been completed to define the algorithm which will accomplish the conversion of the SEADS flight data into research quality air data. This algorithm is

based on a modification of Newtonian flow theory which incorporates correction factors defined through analysis of wind-tunnel data obtained across the Mach number range on various models of the orbiter's forward fuselage. The wind-tunnel data presented in this report are an important part of the SEADS data base for the Mach numbers tested--in the range 1.6 to 3.5 (refs. 2, 3, 4, and 5).

Data are presented for a 0.10-scale model of the Space Shuttle Orbiter forebody. This investigation was completed in the Ames UPWT complex. The angle of attack was varied from -2° to 24° and the angle of sideslip from -6° to 6° . Orbiter lines are duplicated from the nose back to Fuselage Station 670. Aft of Station 670, the model is ogive-faired to the sting. Twenty pressure orifices on the model duplicate locations of the proposed SEADS orifices. The remaining orifices support the SEADS flow-field model development and/or duplicate OFT/DFI orifices. The data are presented in plotted and tabular form.

Wind-Tunnel Facility

The tests were conducted in both the 8x7-feet and 9x7-feet test sections of the Ames UPWT complex which is a closed circuit, single return, variable density, continuous-flow facility. Asymmetric sliding-block nozzles lead to the test sections and permit continuous variation in Mach number from 1.6 to 2.5 at Reynolds Numbers ranging from $0.6 - 6.5 \times 10^6$ /ft in the 9x7-feet test section and Mach numbers from 2.5 to 3.5 at Reynolds Numbers ranging from $0.6 - 5.0 \times 10^6$ /ft in the 8x7-feet test section.

Model and Instrumentation

The 0.10-scale model of the Space Shuttle Orbiter forebody was instrumented with 96 pressure orifices matching locations of proposed SEADS, OFT/DFI, and SEADS support orifices. A photograph of the model is shown in figure 1. Figure 2 gives the model's coordinate system. Figures 3 and 4 show the approximate nominal orifice locations on the model. Table I gives the orifice numbers and locations. The SEADS array of orifices is modeled by orifices 201 through 220. The model was sting balance mounted to the tunnel's model support system.

Test Setup

Data were obtained from the orifices via differential pressure transducers referenced to test section plenum pressure and a scani-valve system. Four scani-valves were used. Several reference ports were available on each scani-valve to provide a means for pressure accuracy assessment. A nominal run consisted of varying prescribed numbers of data points; a data point is one angle-of-attack/sideslip combination, identified sequentially by the "Ref" number. A four component sting balance was used to monitor loads on the model and correct the model attitude for sting deflections. The model was also tested in the inverted, 90° and 270° rotation positions, to determine any flow asymmetry in the tunnel. Tables II and LXXXIII provide cross-reference between data points, run numbers and the data tables. The data points are listed in table III, for the 9x7 leg, and Table LXXXIV, for the 8x7 leg.

Presentation of Results

To preserve data accuracy and for the convenience of the reader, the data are presented in tables IV through LXXXII for the 9x7 leg and LXXXV through CXLV for the 8x7 leg. Data are presented in dimensional form (psf). Since these are being used in both pressure coefficients and nondimensional forms P/Q and P/P_{t_2} , they are presented here in dimensional form along with enough tunnel information to provide the reader any of the three nondimensional forms. A limited amount of data are plotted in figures 5 through 14 (9x7) and 15 through 22 (8x7) to show trends. These data are nondimensionalized by P_{t_2} as calculated from tunnel conditions.

List of Symbols

M_{∞}	free-stream number
P_i	pressure at orifice "i", psf
P_{t_1}	tunnel stagnation pressure, psf
P_{t_2}	total pressure behind the shock, psf
P_{∞}	tunnel free-stream static pressure, psf
q_{∞}	tunnel free-stream dynamic pressure, psf
x, y, z	model coordinates, in
α	angle of attack, deg.
β	angle of sideslip, deg.
λ_i	orifice lateral angle, deg.
ϕ	model roll angle, deg.
ϕ_i	orifice longitudinal angle, deg.

References

1. Pruett, C. D.; Wolf, H.; Siemers, P. M. III; and Heck, M. L.: An Innovative Air Data System for the Space Shuttle Orbiter: Data Analysis Techniques. AIAA Paper No. 81-2455, Nov. 1981.
2. Bradley, P. F.; Siemers, P. M. III; Flanagan, P. F.; and Henry, M. W.: Pressure Distributions Obtained on a 0.04-Scale and 0.02-Scale Model of the Space Shuttle Orbiter's Forward Fuselage in the Langley 20-Inch Mach 6 Air Tunnel. NASA TM-84629, March 1983.
3. Bradley, P. F.; Siemers, P. M. III; Flanagan, P. F.; and Henry, M. W.: Pressure Distributions on a 0.04-Scale Model of the Space Shuttle Orbiter's Forward Fuselage in the Langley Continuous Flow Hypersonic Tunnel. NASA TM-84630, March 1983.
4. Bradley, P. F.; Siemers, P. M. III; Flanagan, P. F.; and Henry, M. W.: Pressure Distributions on a 0.04-Scale Model of the Space Shuttle Orbiter's Forward Fuselage in the Langley Unitary Plan Wind Tunnel. NASA TM-84628, March 1983.
5. Siemers, P. M. III, Henry, M. W.: Pressure Distributions on a 0.10-Scale Model of the Space Shuttle Orbiter's Forebody in the AEDC 16T Propulsion Wind Tunnel. NASA TM-87653, November 1985.

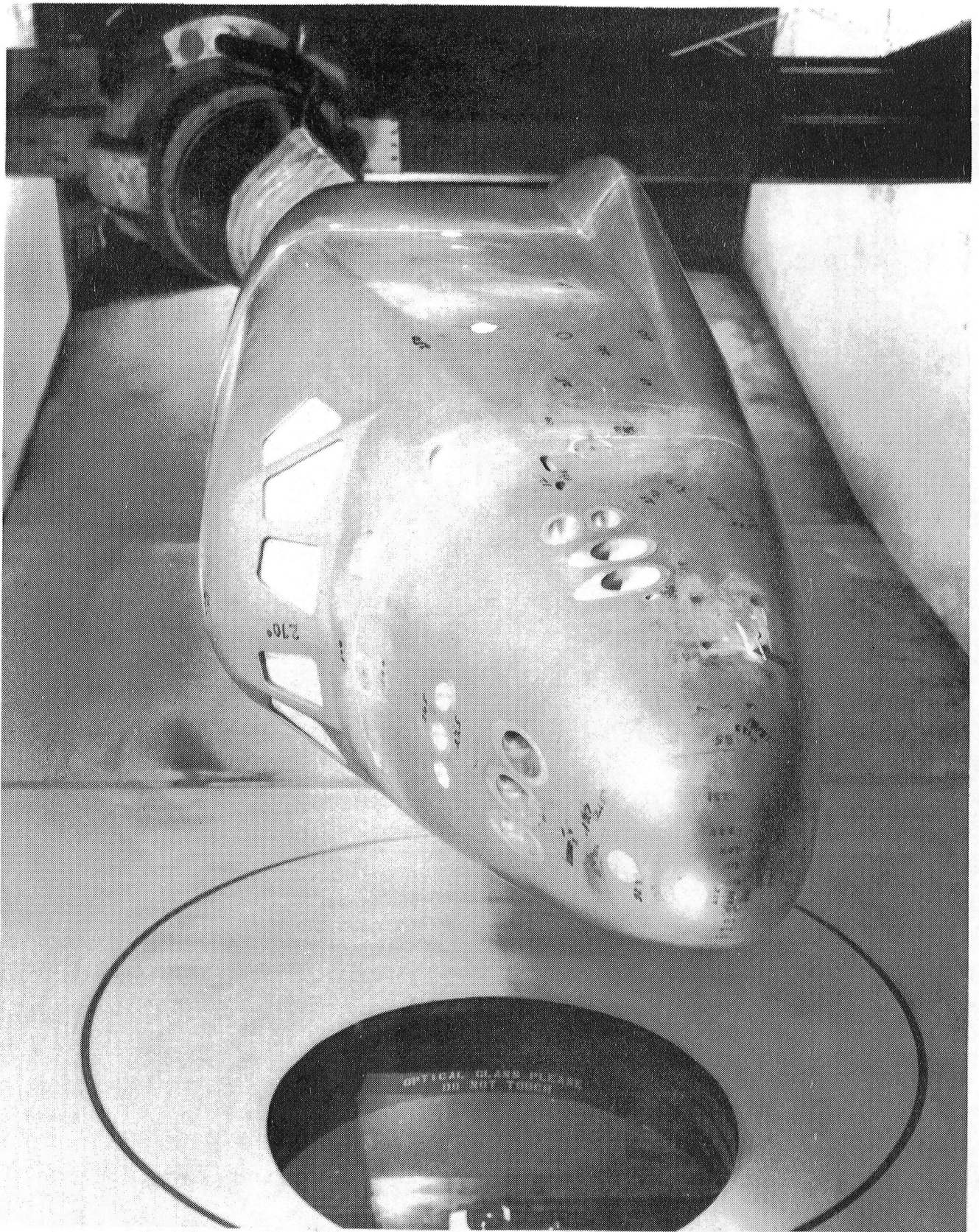
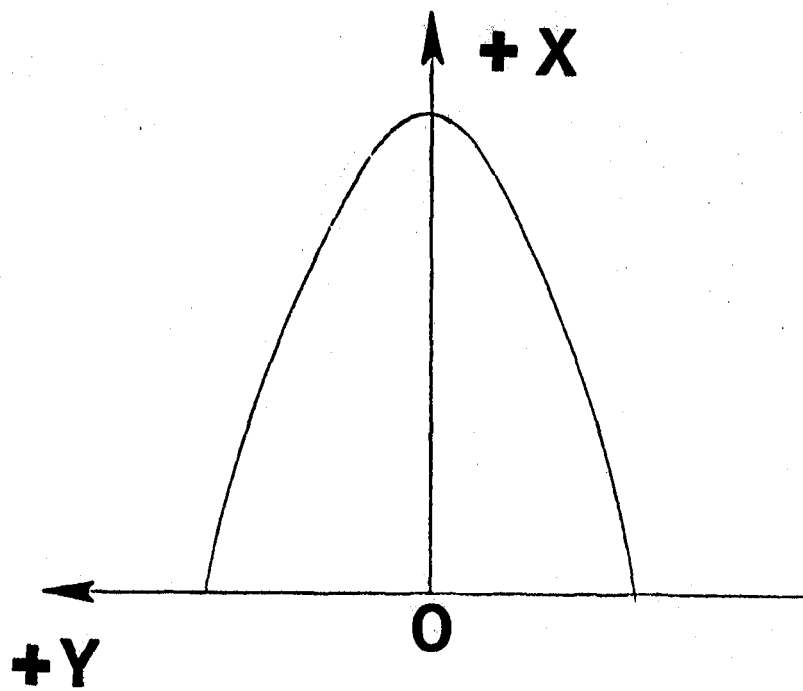
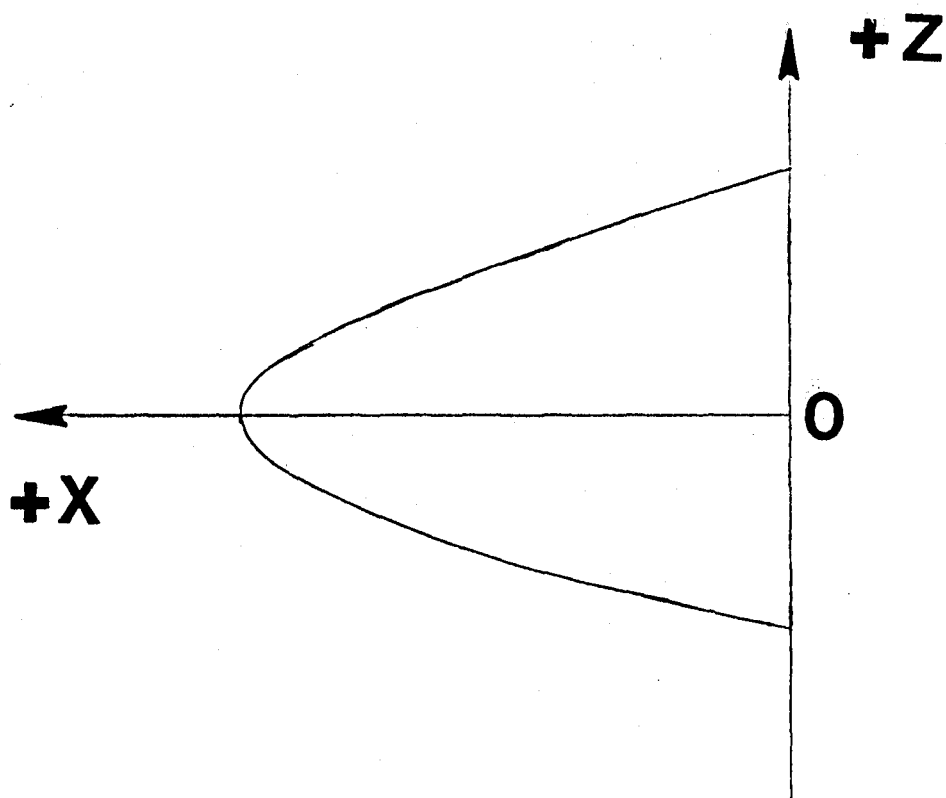


Figure 1. - Photograph of Model.



Top view



Side view

Figure 2. - Model's coordinate system.

Note: Taps 225 - 234 shown in Fig. 4

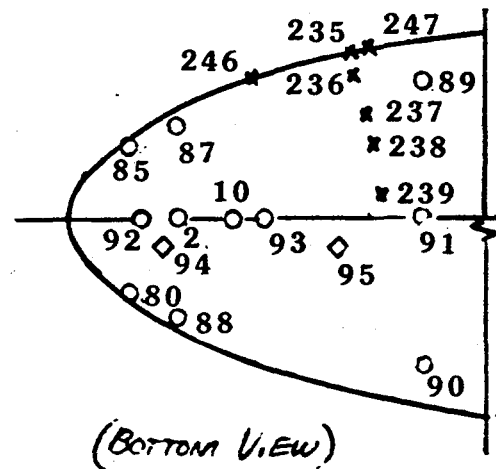
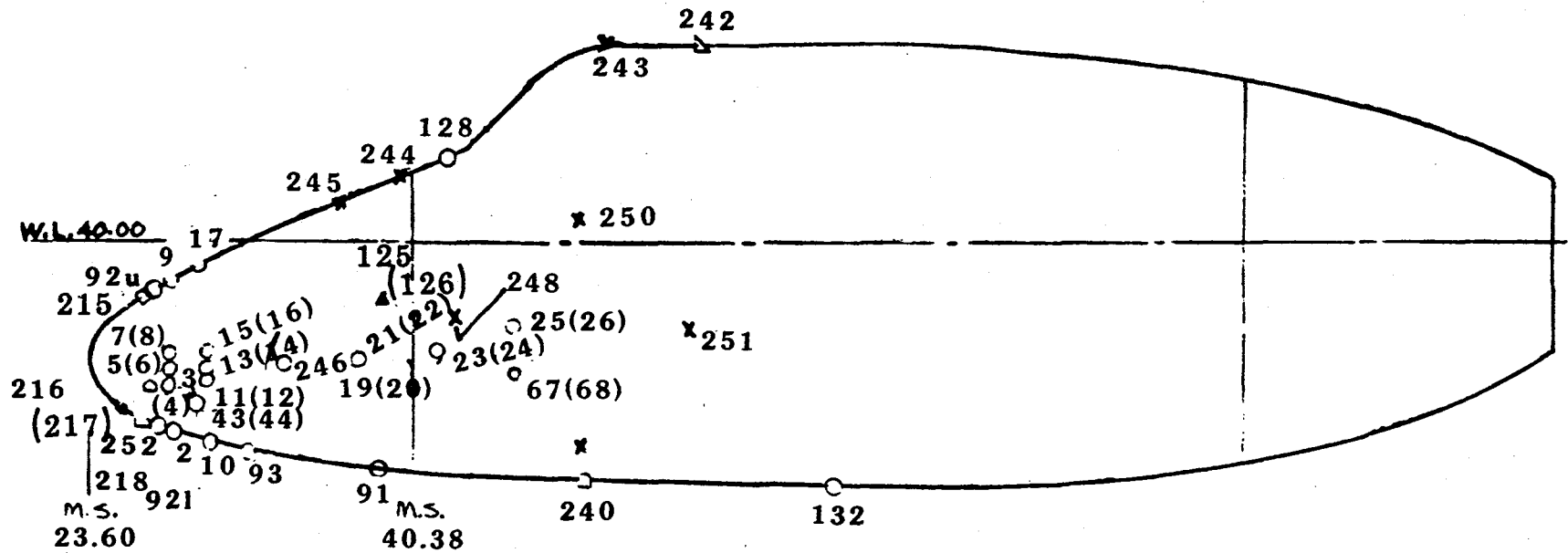
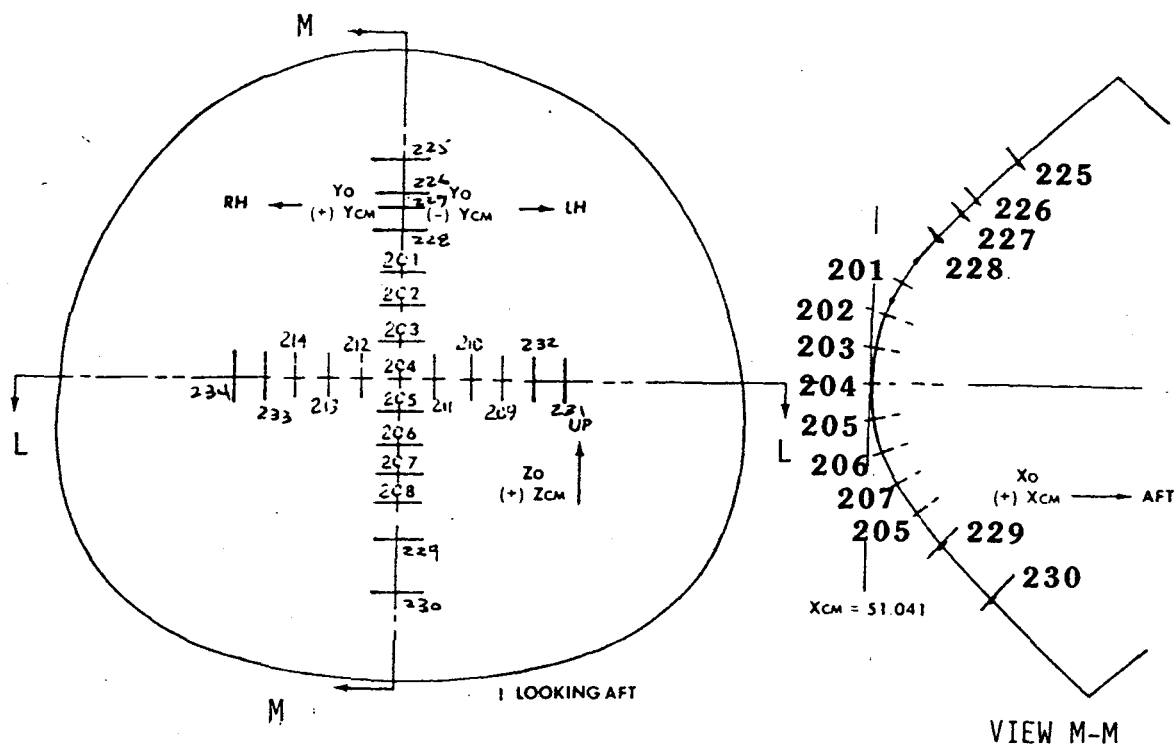
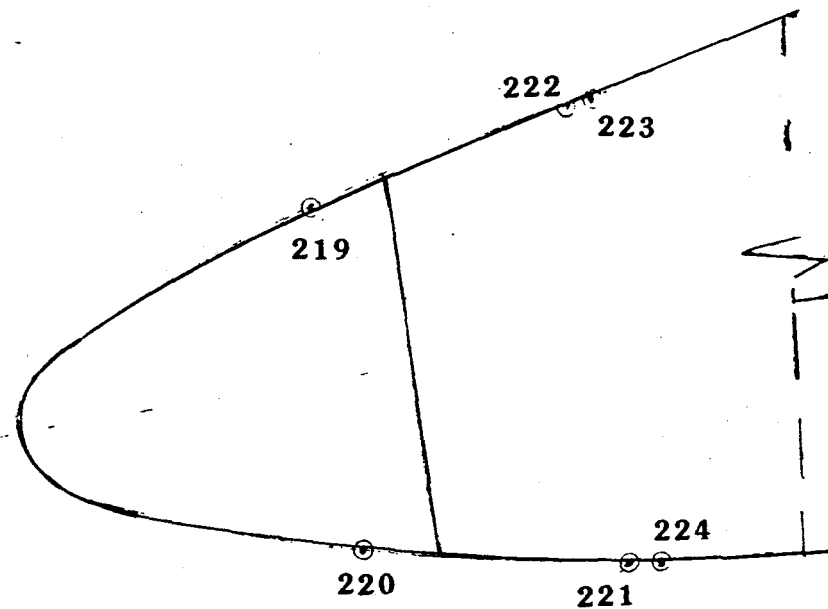
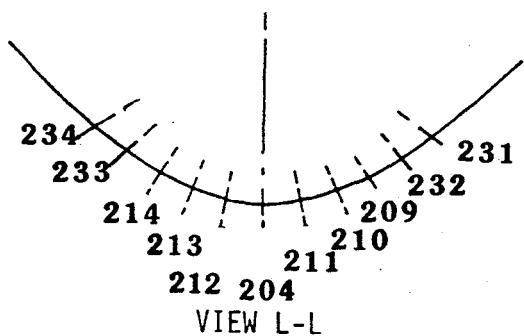
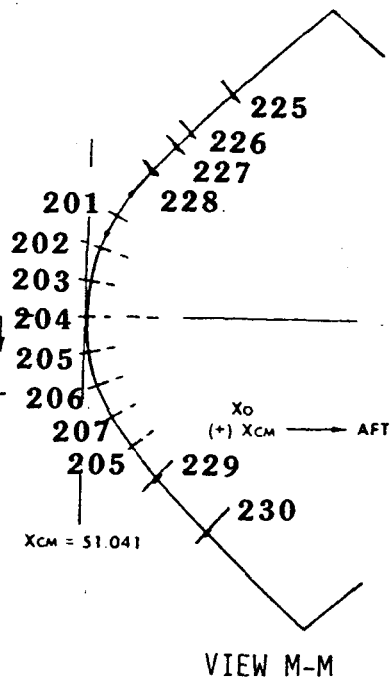


Figure 3. - Number assignment and locations for DFI and Auxiliary Pressure Orifices.

Figure 4. - Number assignment and locations for SEADS Pressure Orifices.



- Notes: 1. 215-218 shown in Fig. 3
2. 225-234 shown herein to tie in with SEADS taps



○	α	-2.2	M_∞	1.60	P_{t_2}	1060.30
□	α	-1	M_∞	1.60	P_{t_2}	1059.70
◇	α	2.0	M_∞	1.60	P_{t_2}	1059.70
△	α	4.0	M_∞	1.60	P_{t_2}	1059.70
▴	α	6.0	M_∞	1.60	P_{t_2}	1059.70
▷	α	8.1	M_∞	1.60	P_{t_2}	1060.30
◻	α	10.2	M_∞	1.60	P_{t_2}	1060.90
◊	α	12.2	M_∞	1.60	P_{t_2}	1060.90
◈	α	14.3	M_∞	1.60	P_{t_2}	1060.90
⊠	α	16.3	M_∞	1.60	P_{t_2}	1060.90
⊕	α	18.4	M_∞	1.60	P_{t_2}	1060.90
⊞	α	20.4	M_∞	1.60	P_{t_2}	1060.90
⊠	α	22.5	M_∞	1.60	P_{t_2}	1060.90
⊠	α	24.5	M_∞	1.60	P_{t_2}	1060.90

Run # 40, β -0.0, Facility: Ames 9x7T 10% Model

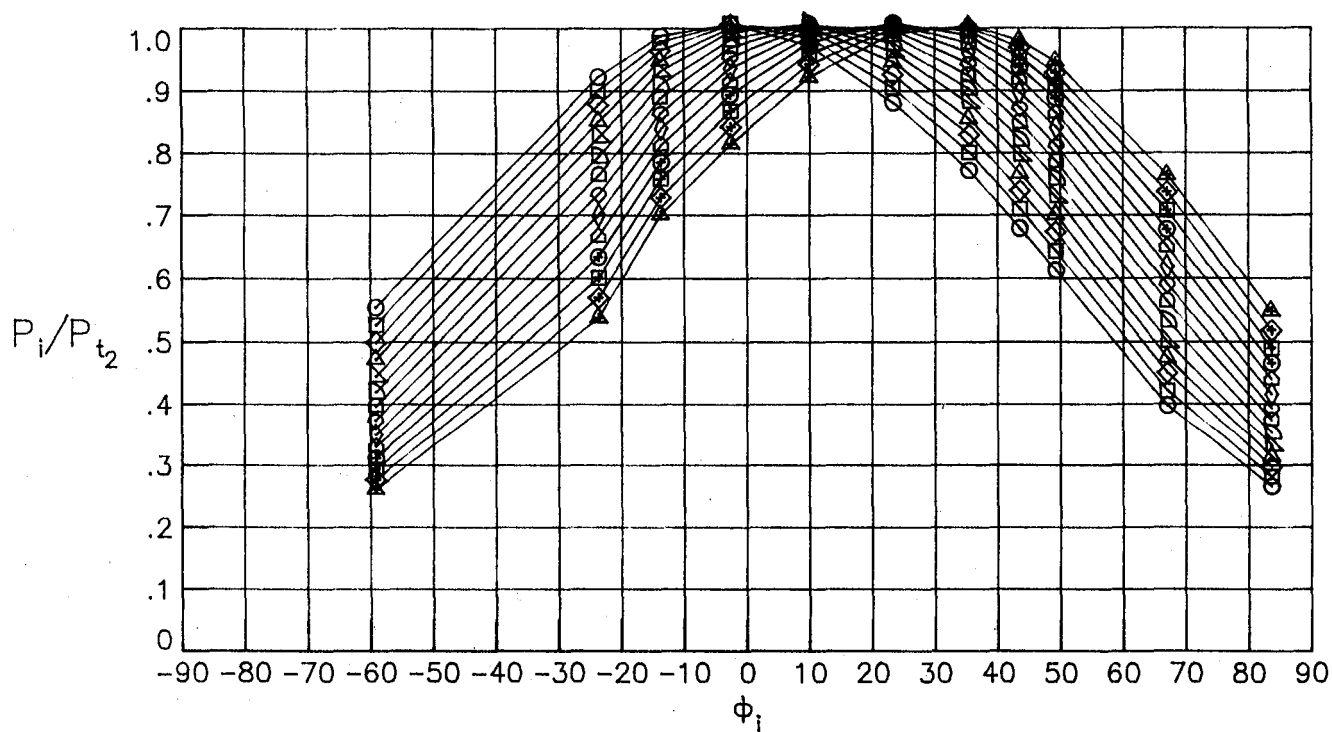


Figure 5. - Sample data, $M_\infty=1.60$, $\beta=0.$, longitudinal sweep

○	α	-2.2	M_∞	1.77	P_{t_2}	1016.50
□	α	-.1	M_∞	1.77	P_{t_2}	1015.90
◇	α	1.9	M_∞	1.77	P_{t_2}	1016.50
△	α	4.0	M_∞	1.77	P_{t_2}	1015.90
▴	α	6.0	M_∞	1.77	P_{t_2}	1015.90
▷	α	8.1	M_∞	1.77	P_{t_2}	1016.50
▢	α	10.1	M_∞	1.77	P_{t_2}	1016.50
◊	α	12.1	M_∞	1.77	P_{t_2}	1016.50
◈	α	14.3	M_∞	1.77	P_{t_2}	1016.50
⬢	α	16.3	M_∞	1.77	P_{t_2}	1015.90
⊕	α	18.4	M_∞	1.77	P_{t_2}	1016.50
⊞	α	20.4	M_∞	1.77	P_{t_2}	1016.50
⊠	α	22.4	M_∞	1.77	P_{t_2}	1016.50
⬠	α	24.3	M_∞	1.77	P_{t_2}	1015.90

Run # 45, β .2, Facility: Ames 9x7T 10% Model

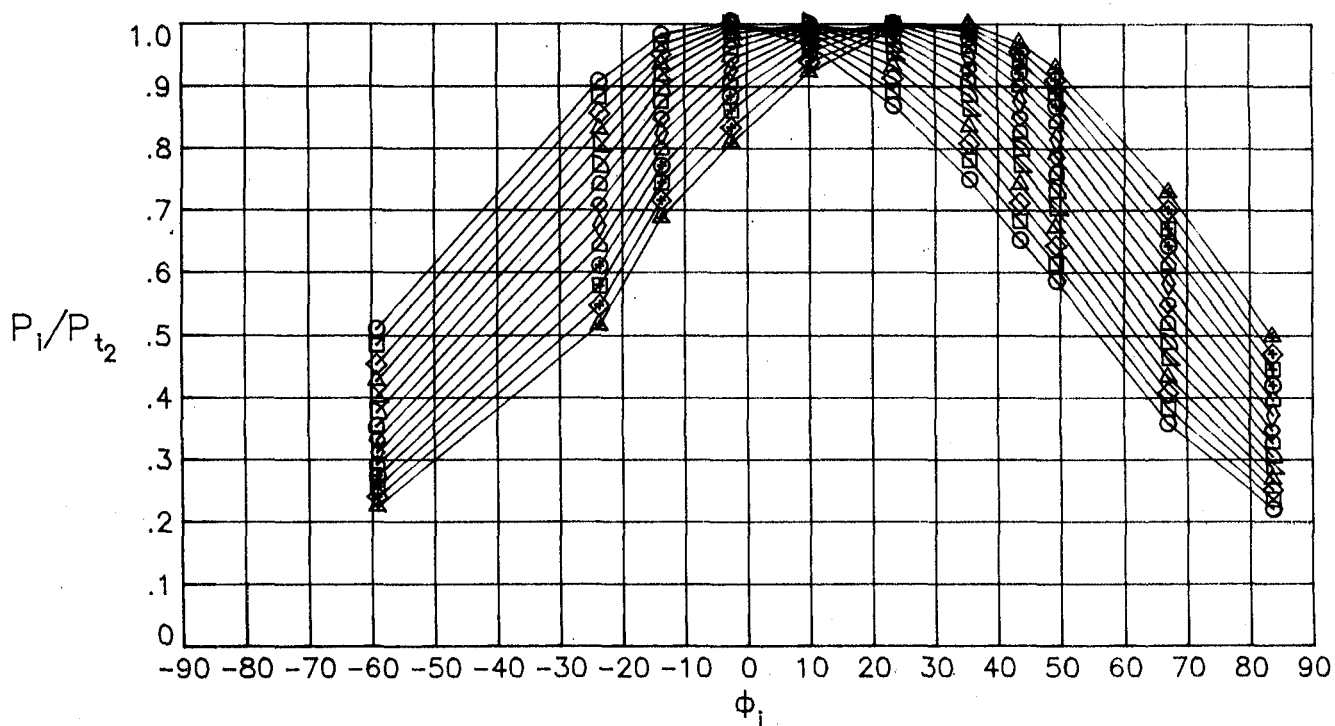


Figure 6. - Sample data, $M_\infty=1.77$, $\beta=0.$, longitudinal sweep

○	α	-2.1	M_∞	1.98	P_{t_2}	1009.00
□	α	-.1	M_∞	1.98	P_{t_2}	1009.00
◇	α	2.0	M_∞	1.98	P_{t_2}	1009.00
△	α	4.0	M_∞	1.98	P_{t_2}	1008.50
▴	α	6.1	M_∞	1.98	P_{t_2}	1008.50
▷	α	8.1	M_∞	1.98	P_{t_2}	1008.50
▢	α	10.2	M_∞	1.98	P_{t_2}	1009.00
◊	α	12.2	M_∞	1.98	P_{t_2}	1008.50
◈	α	14.3	M_∞	1.98	P_{t_2}	1008.50
⬢	α	16.4	M_∞	1.98	P_{t_2}	1008.50
⊕	α	18.4	M_∞	1.98	P_{t_2}	1008.50
⊞	α	20.4	M_∞	1.98	P_{t_2}	1008.50
⊠	α	22.4	M_∞	1.98	P_{t_2}	1008.50
⬠	α	24.4	M_∞	1.98	P_{t_2}	1008.00

Run # 54, β -.1, Facility: Ames 9x7T 10% Model

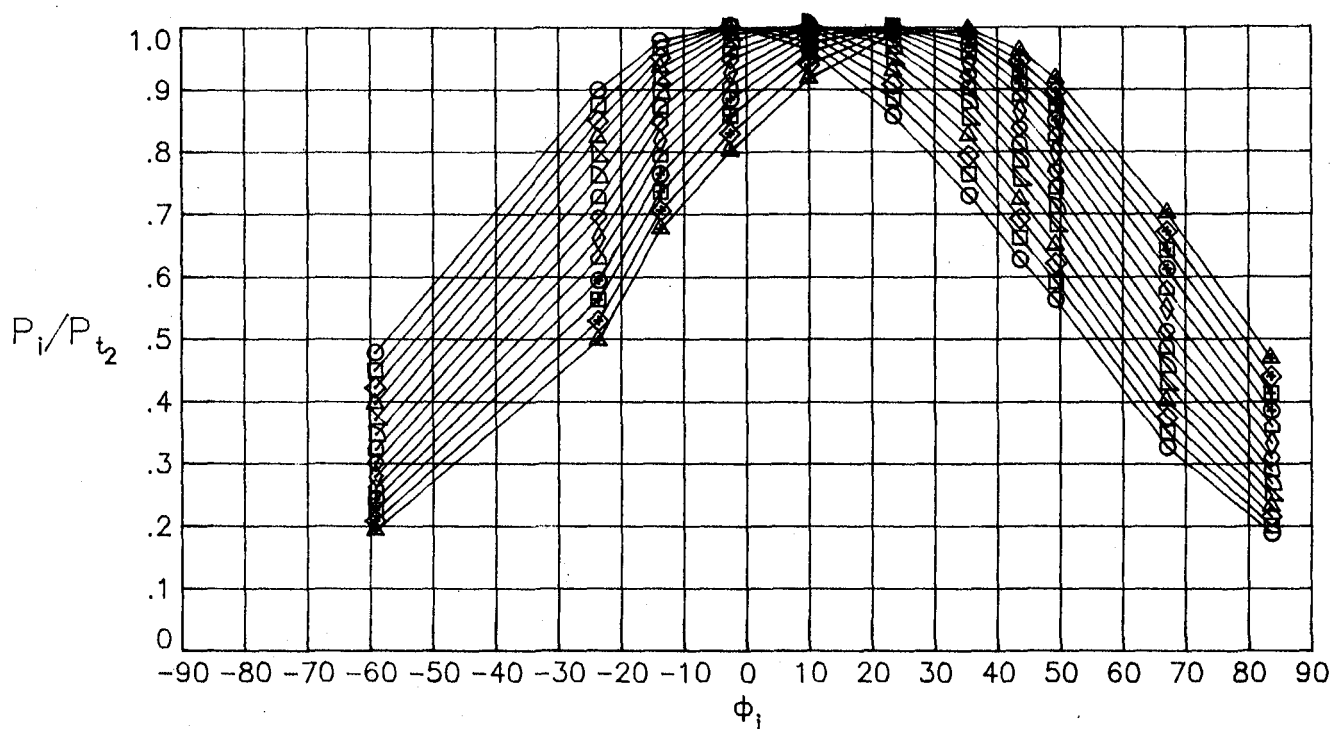


Figure 7. - Sample data, $M_\infty=1.98$, $\beta=0.$, longitudinal sweep

○	α	-2.2	M_∞	2.28	P_{t_2}	980.70
□	α	-.1	M_∞	2.28	P_{t_2}	980.29
◇	α	1.9	M_∞	2.28	P_{t_2}	979.47
△	α	4.0	M_∞	2.28	P_{t_2}	980.29
▴	α	6.0	M_∞	2.28	P_{t_2}	980.70
▷	α	8.1	M_∞	2.28	P_{t_2}	980.70
◻	α	10.1	M_∞	2.28	P_{t_2}	980.70
◊	α	12.1	M_∞	2.28	P_{t_2}	980.70
◈	α	14.2	M_∞	2.28	P_{t_2}	980.70
◊	α	16.3	M_∞	2.28	P_{t_2}	981.12
⊕	α	18.3	M_∞	2.28	P_{t_2}	980.70
⊞	α	20.3	M_∞	2.28	P_{t_2}	981.12
⊠	α	22.3	M_∞	2.28	P_{t_2}	980.70
⊡	α	24.3	M_∞	2.28	P_{t_2}	980.70

Run # 60, β -.1, Facility: Ames 9x7T 10% Model

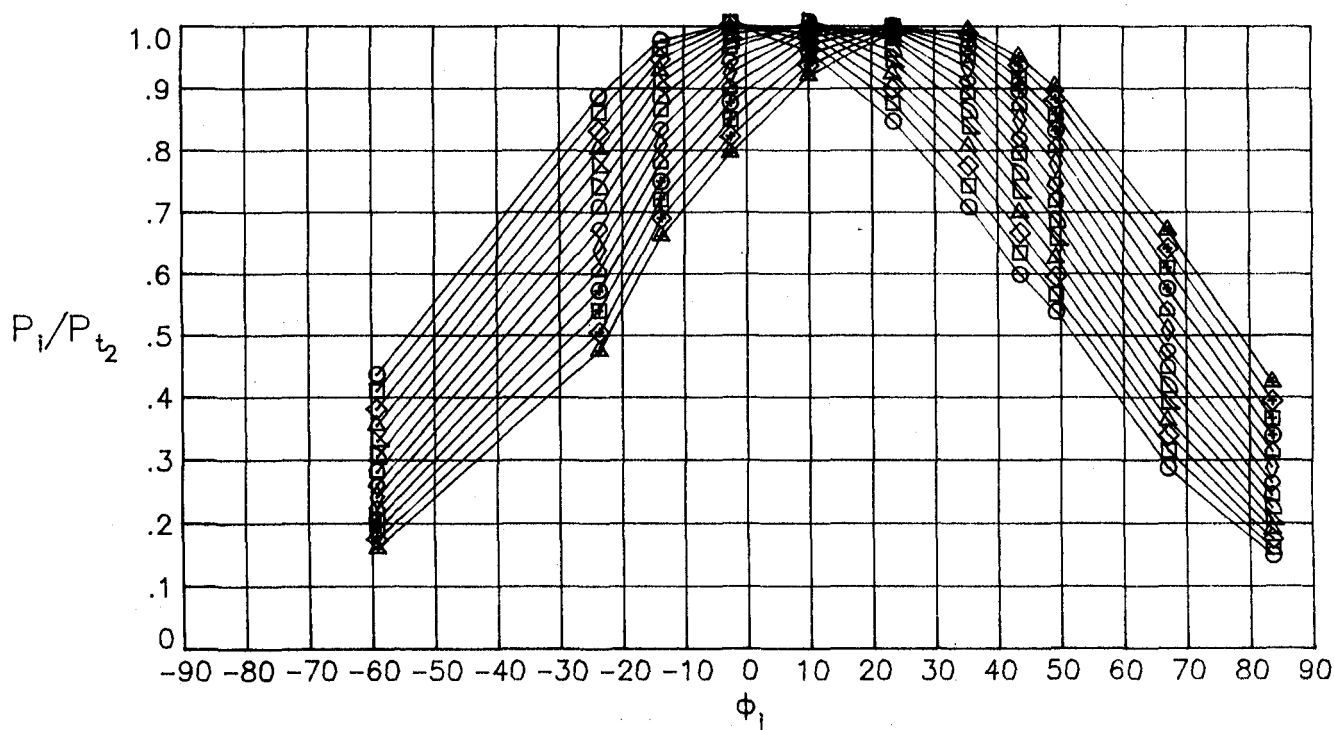


Figure 8. - Sample data, $M_\infty=2.28$, $\beta=0.$, longitudinal sweep

○	α	-2.2	M_∞	2.46	P_{t_2}	977.86
□	α	-.1	M_∞	2.46	P_{t_2}	977.86
◇	α	1.9	M_∞	2.46	P_{t_2}	978.21
△	α	3.9	M_∞	2.46	P_{t_2}	977.86
▴	α	6.0	M_∞	2.46	P_{t_2}	977.86
▷	α	8.0	M_∞	2.46	P_{t_2}	977.86
◻	α	10.1	M_∞	2.46	P_{t_2}	977.86
◊	α	12.1	M_∞	2.46	P_{t_2}	977.86
◈	α	14.2	M_∞	2.46	P_{t_2}	977.86
⬢	α	16.3	M_∞	2.46	P_{t_2}	977.86
⊕	α	18.3	M_∞	2.46	P_{t_2}	978.21
⊞	α	20.3	M_∞	2.46	P_{t_2}	978.21
⬠	α	22.3	M_∞	2.46	P_{t_2}	977.86
⬡	α	24.3	M_∞	2.46	P_{t_2}	977.86

Run # 68, β .3, Facility: Ames 9x7T 10% Model

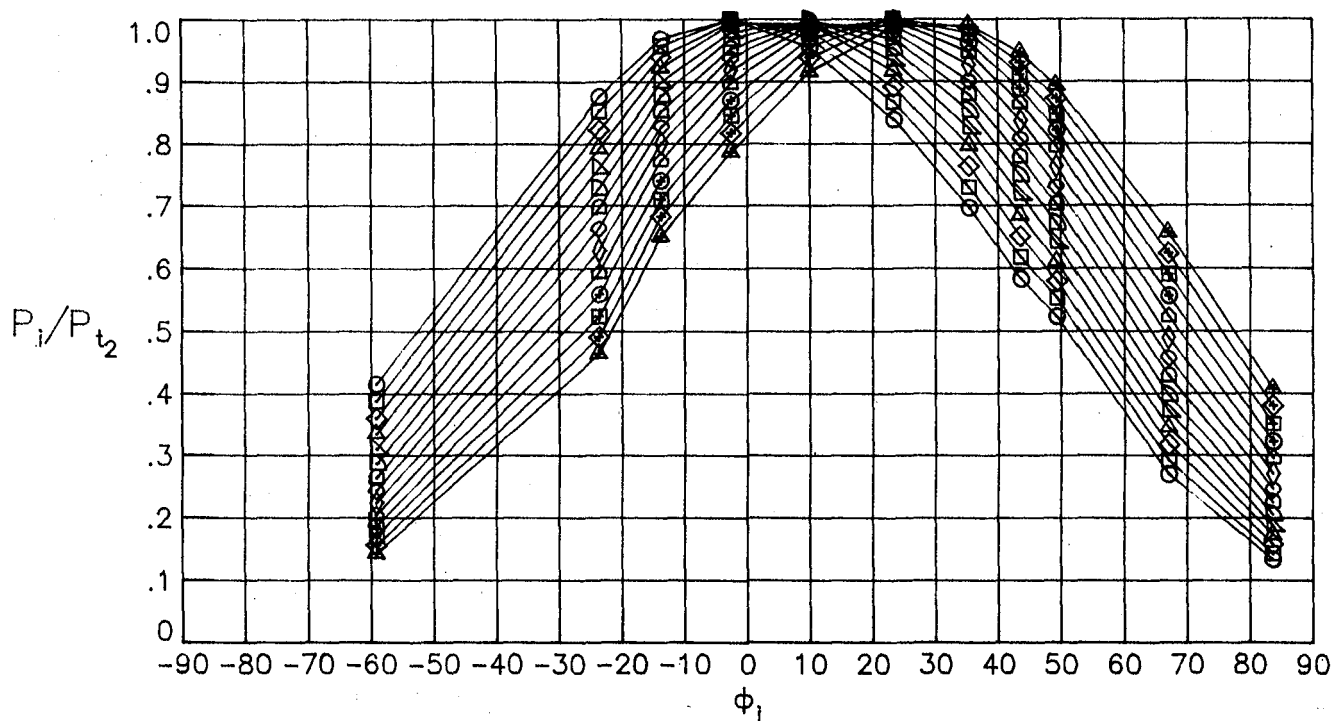


Figure 9. - Sample data, $M_\infty=2.46$, $\beta=0.$, longitudinal sweep

○	β	-6.4	M_∞	1.60	P_{t_2}	1060.60
□	β	-4.3	M_∞	1.60	P_{t_2}	1061.30
◇	β	-3.2	M_∞	1.60	P_{t_2}	1060.60
△	β	-2.2	M_∞	1.60	P_{t_2}	1060.60
▵	β	-1.1	M_∞	1.60	P_{t_2}	1060.60
▷	β	-.6	M_∞	1.60	P_{t_2}	1060.60
◻	β	-.0	M_∞	1.60	P_{t_2}	1060.60
◊	β	.5	M_∞	1.60	P_{t_2}	1061.30
◈	β	1.0	M_∞	1.60	P_{t_2}	1060.60
◑	β	2.0	M_∞	1.60	P_{t_2}	1061.30
⊕	β	3.1	M_∞	1.60	P_{t_2}	1061.30
⊞	β	4.2	M_∞	1.60	P_{t_2}	1060.60
⊠	β	6.3	M_∞	1.60	P_{t_2}	1061.30

Run # 36, α -.1, Facility: Ames 9x7T 10% Model

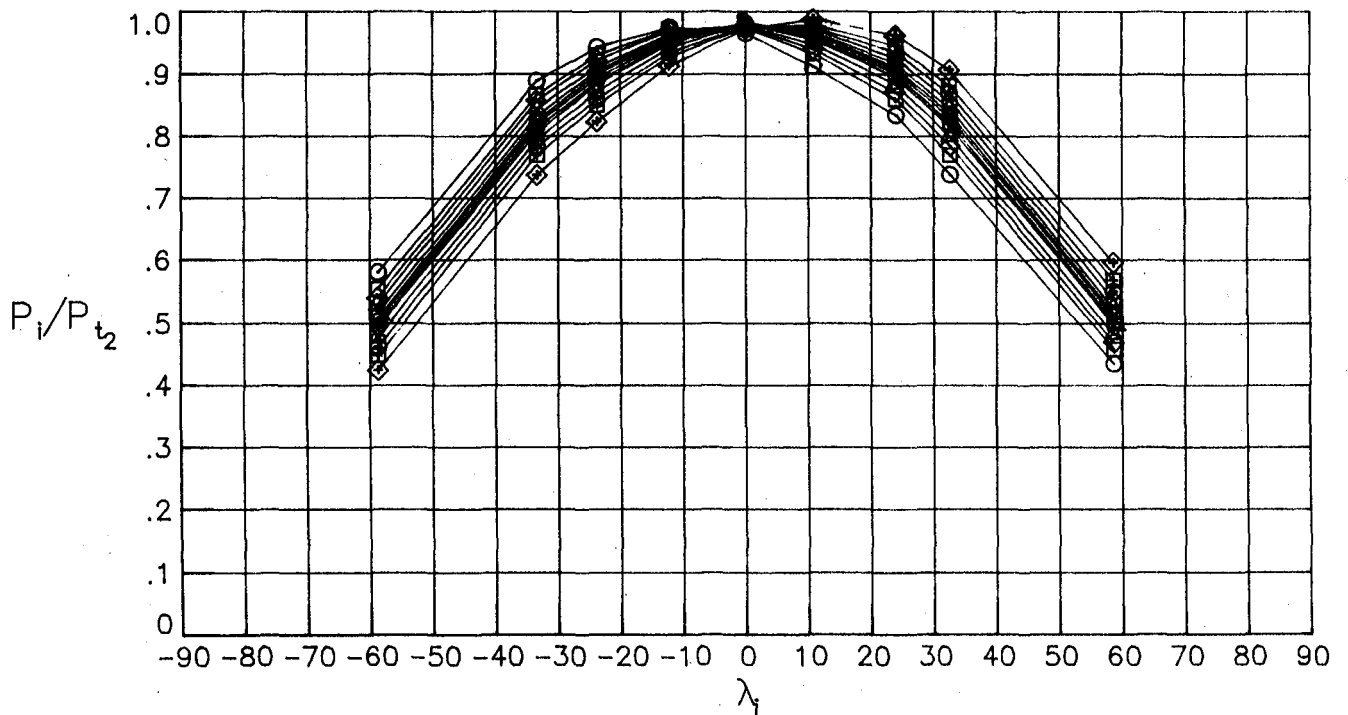


Figure 10. - Sample data, $M_\infty=1.60$, $\alpha=0.$, lateral sweep

○	β	-6.4	M_∞	1.77	P_{t_2}	1016.70
□	β	-4.2	M_∞	1.77	P_{t_2}	1017.30
◇	β	-3.1	M_∞	1.77	P_{t_2}	1016.70
△	β	-2.0	M_∞	1.77	P_{t_2}	1016.70
▴	β	-.9	M_∞	1.77	P_{t_2}	1016.70
▷	β	-.4	M_∞	1.77	P_{t_2}	1016.70
◻	β	.2	M_∞	1.77	P_{t_2}	1017.90
◊	β	.7	M_∞	1.77	P_{t_2}	1019.00
◈	β	1.3	M_∞	1.77	P_{t_2}	1019.00
◊	β	2.4	M_∞	1.77	P_{t_2}	1019.00
⊕	β	3.5	M_∞	1.77	P_{t_2}	1019.60
⊞	β	4.5	M_∞	1.77	P_{t_2}	1019.00
⊠	β	6.7	M_∞	1.77	P_{t_2}	1019.00

Run # 51, α -.1, Facility: Ames 9x7T 10% Model

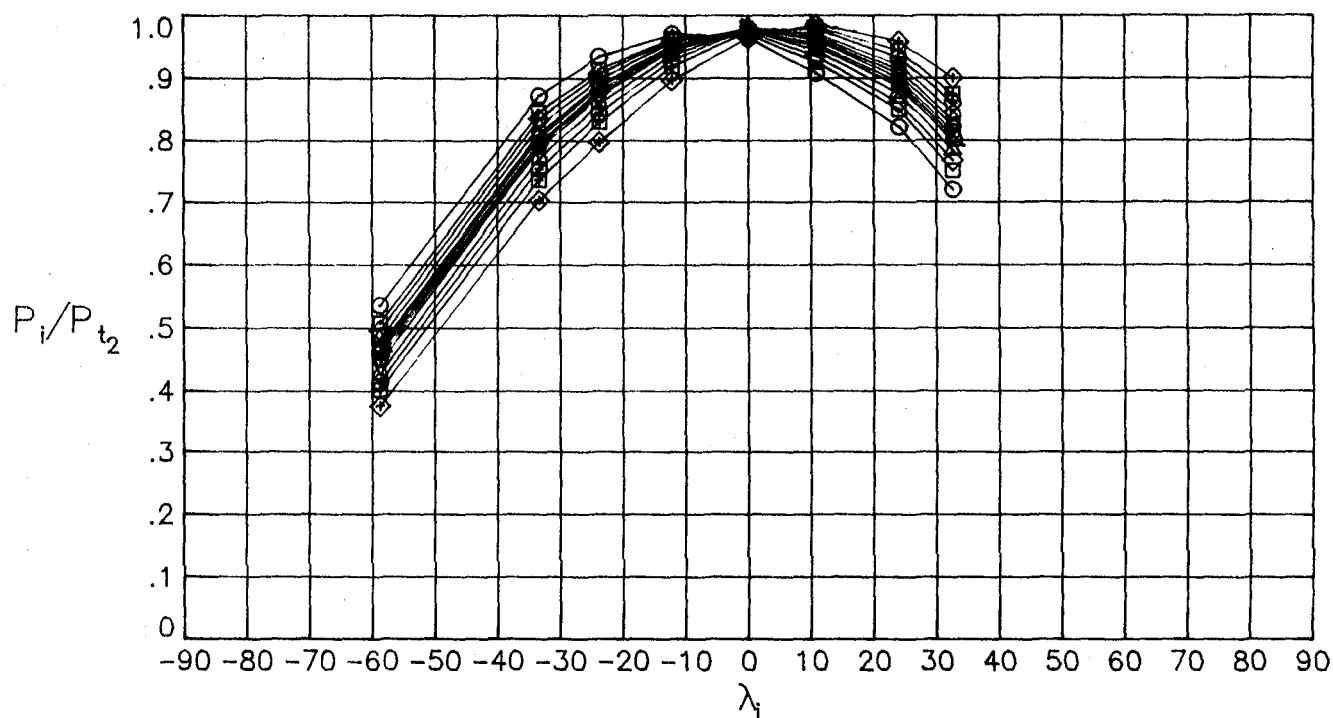


Figure 11. - Sample data, $M_\infty=1.77$, $\alpha=0.$, lateral sweep

○	β	-6.6	M_∞	1.98	P_{t_2}	1006.90
□	β	-4.4	M_∞	1.98	P_{t_2}	1006.90
◇	β	-3.3	M_∞	1.98	P_{t_2}	1006.90
△	β	-2.3	M_∞	1.98	P_{t_2}	1006.90
▴	β	-1.2	M_∞	1.98	P_{t_2}	1006.90
▷	β	-.7	M_∞	1.98	P_{t_2}	1006.90
◻	β	-.1	M_∞	1.98	P_{t_2}	1006.90
◊	β	.4	M_∞	1.98	P_{t_2}	1006.90
◈	β	1.0	M_∞	1.98	P_{t_2}	1006.90
△	β	2.0	M_∞	1.98	P_{t_2}	1006.90
⊕	β	3.1	M_∞	1.98	P_{t_2}	1006.40
⊞	β	4.2	M_∞	1.98	P_{t_2}	1006.40
⊛	β	6.3	M_∞	1.98	P_{t_2}	1006.40

Run # 59, α -.0, Facility: Ames 9x7T 10% Model

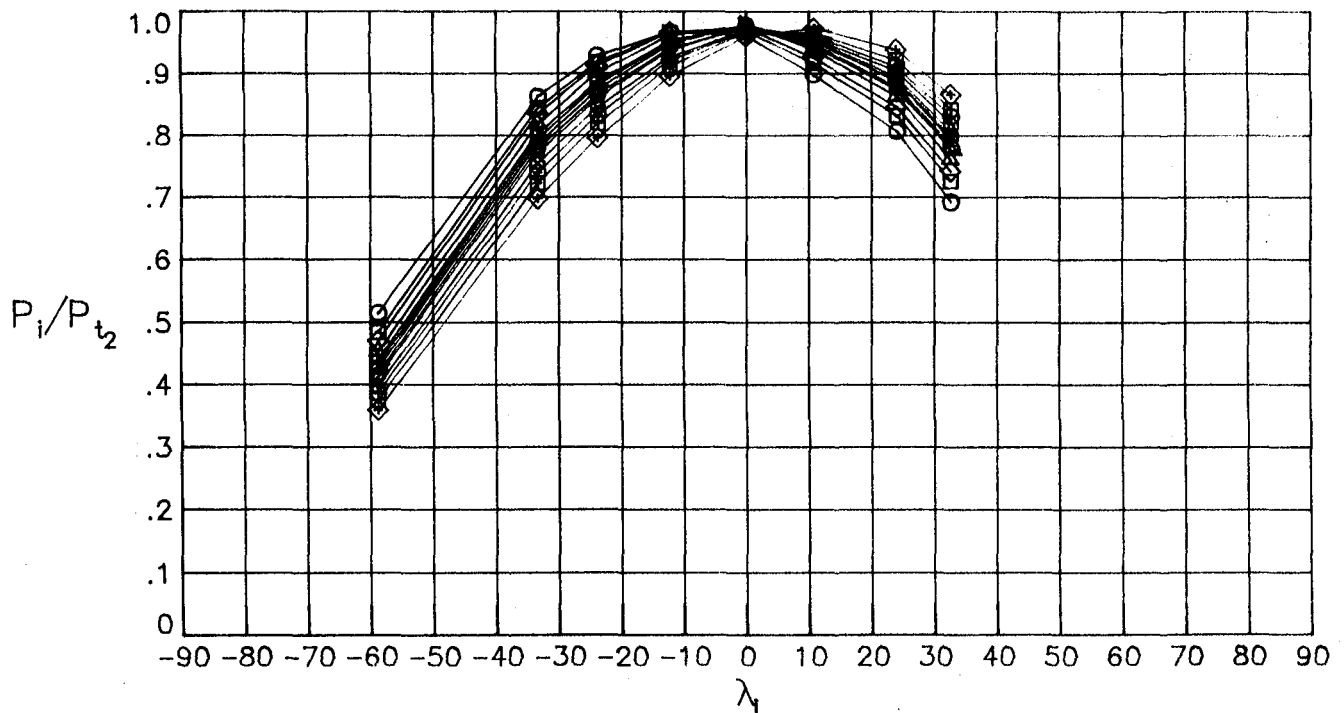


Figure 12. - Sample data, $M_\infty=1.98$, $\alpha=0.$, lateral sweep

○	β	-6.7	M_∞	2.28	P_{t_2}	984.00
□	β	-4.5	M_∞	2.28	P_{t_2}	983.59
◇	β	-3.4	M_∞	2.28	P_{t_2}	986.06
△	β	-2.3	M_∞	2.28	P_{t_2}	986.88
▴	β	-1.2	M_∞	2.28	P_{t_2}	986.88
▤	β	-.7	M_∞	2.28	P_{t_2}	987.29
▥	β	-.1	M_∞	2.28	P_{t_2}	986.88
◊	β	.4	M_∞	2.28	P_{t_2}	986.88
◈	β	1.0	M_∞	2.28	P_{t_2}	984.41
▢	β	2.0	M_∞	2.28	P_{t_2}	984.00
⊕	β	3.1	M_∞	2.28	P_{t_2}	982.35
⊞	β	4.2	M_∞	2.28	P_{t_2}	983.18
⊠	β	6.4	M_∞	2.28	P_{t_2}	983.18

Run # 66, α -.1, Facility: Ames 9x7T 10% Model

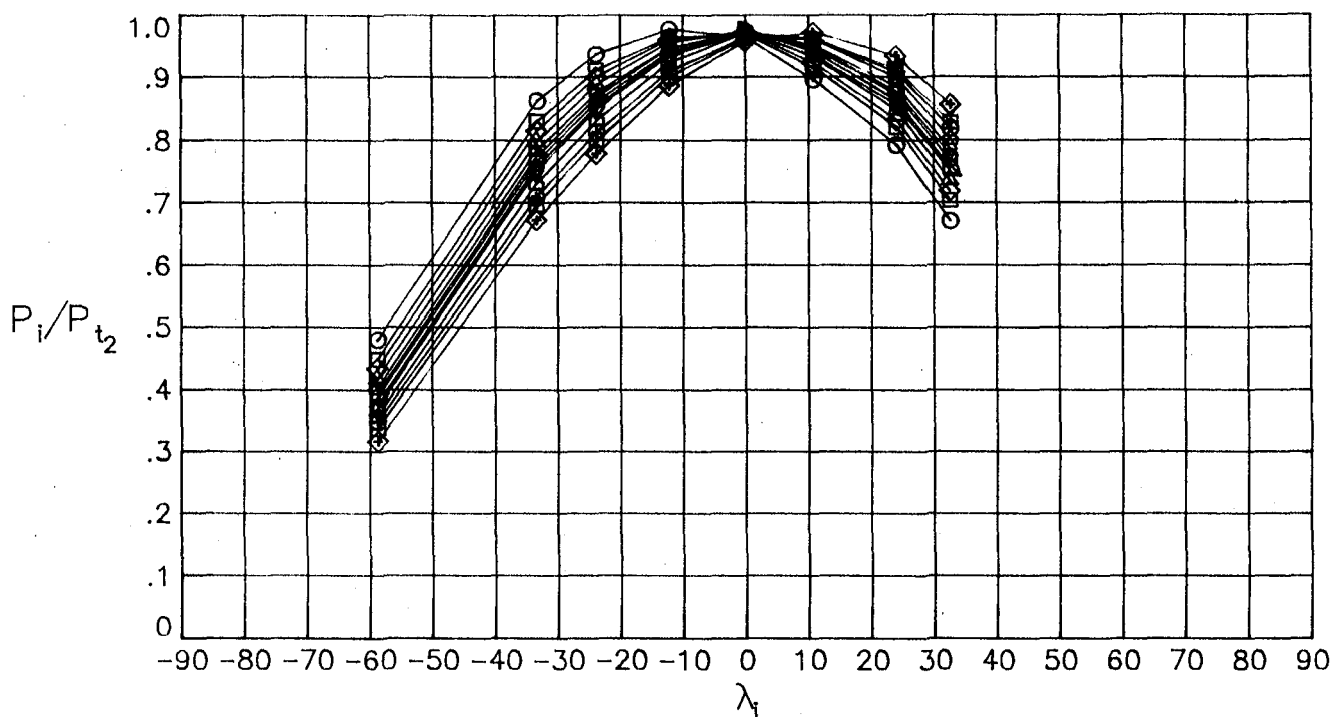


Figure 13. - Sample data, $M_\infty=2.28$, $\alpha=0.$, lateral sweep

○	β	-5.4	M_∞	2.46	P_{t_2}	978.57
□	β	-3.5	M_∞	2.46	P_{t_2}	978.57
◇	β	-2.5	M_∞	2.46	P_{t_2}	978.92
△	β	-1.6	M_∞	2.46	P_{t_2}	978.92
▴	β	-.6	M_∞	2.46	P_{t_2}	978.92
▷	β	-.2	M_∞	2.46	P_{t_2}	978.57
◻	β	.3	M_∞	2.46	P_{t_2}	978.21
◊	β	.8	M_∞	2.46	P_{t_2}	978.21
◈	β	1.3	M_∞	2.46	P_{t_2}	978.21
△	β	2.2	M_∞	2.46	P_{t_2}	978.57
⊕	β	3.2	M_∞	2.46	P_{t_2}	978.21
⊞	β	4.1	M_∞	2.46	P_{t_2}	977.86
⊠	β	6.0	M_∞	2.46	P_{t_2}	978.21

Run # 78, α -.2, Facility: Ames 9x7T 10% Model

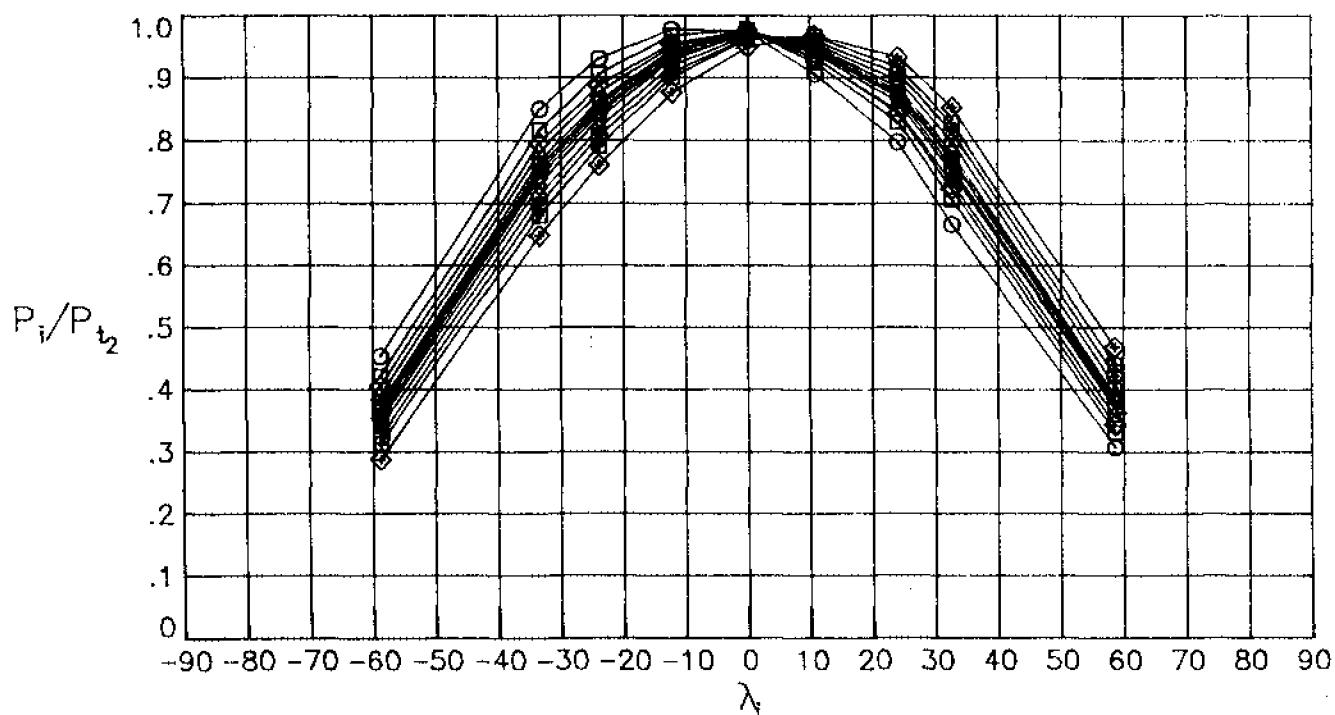


Figure 14. - Sample data, $M_\infty=2.46$, $\alpha=0.$, lateral sweep

○	α	-2.3	M_∞	2.46	P_{t_2}	977.67
□	α	-3	M_∞	2.46	P_{t_2}	977.67
◇	α	1.7	M_∞	2.46	P_{t_2}	977.67
△	α	3.8	M_∞	2.46	P_{t_2}	977.67
▴	α	5.8	M_∞	2.46	P_{t_2}	977.67
▷	α	7.9	M_∞	2.46	P_{t_2}	978.38
▢	α	10.0	M_∞	2.46	P_{t_2}	977.67
◇	α	12.1	M_∞	2.46	P_{t_2}	977.67
◇	α	14.2	M_∞	2.46	P_{t_2}	977.32
△	α	16.2	M_∞	2.46	P_{t_2}	977.32
⊕	α	18.3	M_∞	2.46	P_{t_2}	977.67
⊕	α	20.4	M_∞	2.46	P_{t_2}	977.32
◇	α	22.4	M_∞	2.46	P_{t_2}	977.67
△	α	24.3	M_∞	2.46	P_{t_2}	978.03

Run # 64, β .0, Facility: Ames 8x7T 10% Model

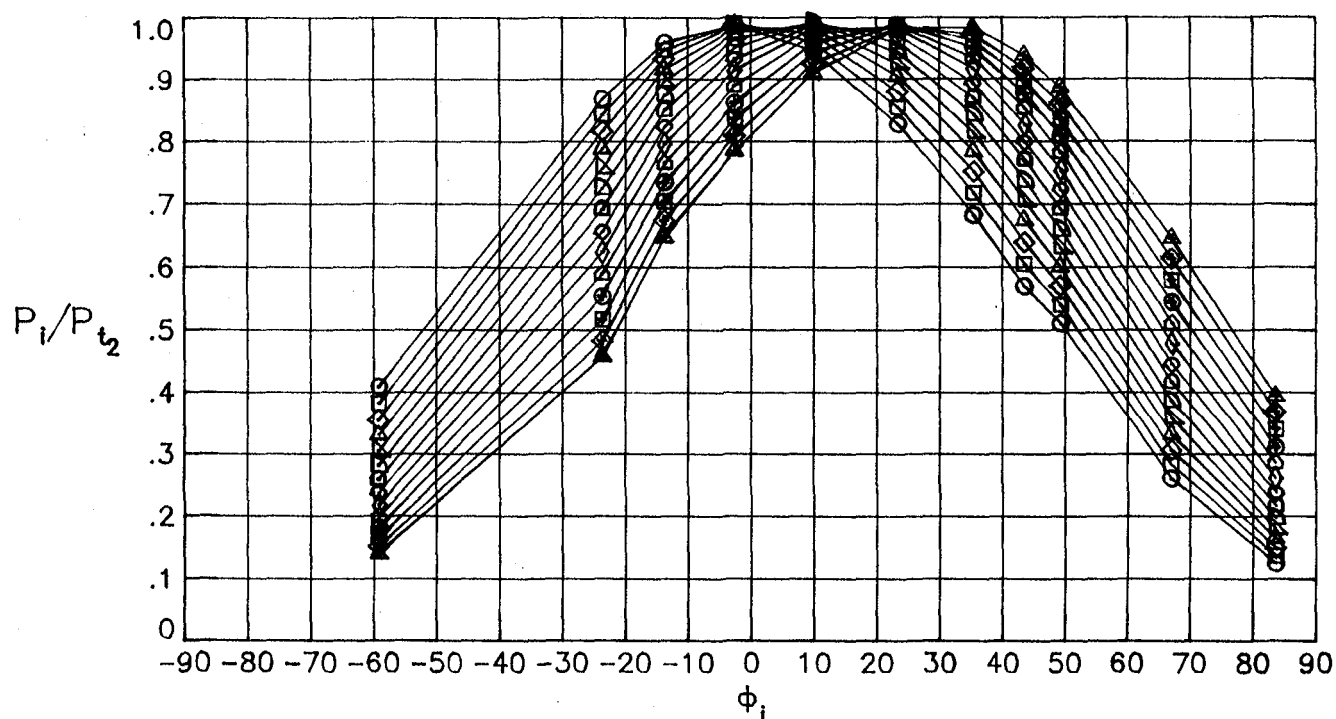


Figure 15. - Sample data, $M_\infty=2.46$, $\beta=0.$, longitudinal sweep

○	α	-2.3	M_∞	2.66	P_{t_2}	966.88
□	α	-3	M_∞	2.66	P_{t_2}	966.88
◇	α	1.7	M_∞	2.66	P_{t_2}	966.88
△	α	3.8	M_∞	2.66	P_{t_2}	966.88
▴	α	5.8	M_∞	2.66	P_{t_2}	967.18
▷	α	7.9	M_∞	2.66	P_{t_2}	967.18
◻	α	10.0	M_∞	2.66	P_{t_2}	967.18
◊	α	12.1	M_∞	2.66	P_{t_2}	966.88
◇	α	14.2	M_∞	2.66	P_{t_2}	966.88
◻	α	16.2	M_∞	2.66	P_{t_2}	966.88
⊕	α	18.3	M_∞	2.66	P_{t_2}	966.58
⊕	α	20.4	M_∞	2.66	P_{t_2}	967.55
⊕	α	22.4	M_∞	2.66	P_{t_2}	966.65
△	α	24.3	M_∞	2.66	P_{t_2}	967.18

Run # 57, β .0, Facility: Ames 8x7T 10% Model

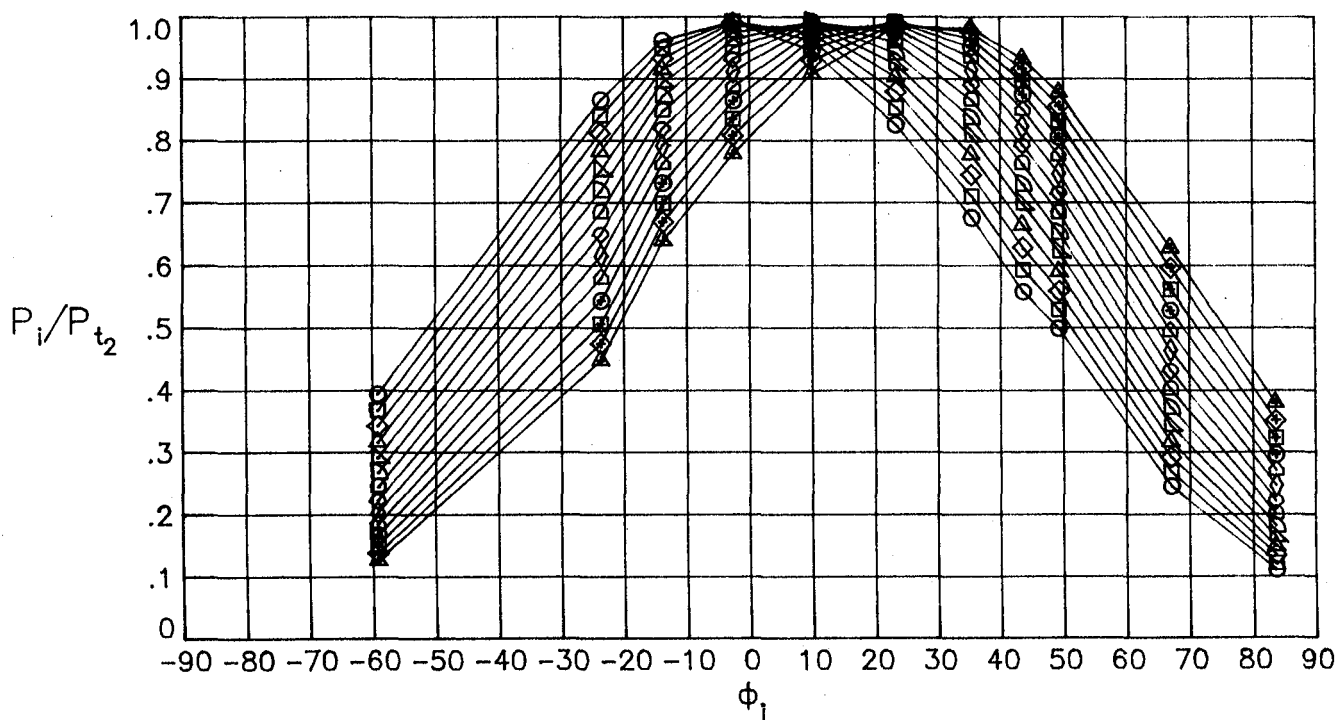


Figure 16. - Sample data, $M_\infty=2.66$, $\beta=0.$, longitudinal sweep

○	α	-2.2	M_∞	3.02	P_{t_2}	921.15
□	α	-.2	M_∞	3.02	P_{t_2}	921.15
◇	α	1.8	M_∞	3.02	P_{t_2}	920.70
△	α	3.9	M_∞	3.02	P_{t_2}	920.93
▽	α	5.9	M_∞	3.02	P_{t_2}	921.60
▷	α	7.9	M_∞	3.02	P_{t_2}	920.70
◻	α	10.0	M_∞	3.02	P_{t_2}	920.03
◊	α	12.1	M_∞	3.02	P_{t_2}	920.70
◇	α	14.2	M_∞	3.02	P_{t_2}	920.48
△	α	16.3	M_∞	3.02	P_{t_2}	920.26
⊕	α	18.3	M_∞	3.02	P_{t_2}	920.48
⊕	α	20.4	M_∞	3.02	P_{t_2}	920.70
⊕	α	22.4	M_∞	3.02	P_{t_2}	920.93
⊕	α	24.3	M_∞	3.02	P_{t_2}	920.48

Run # 50, β .1, Facility: Ames 8x7T 10% Model

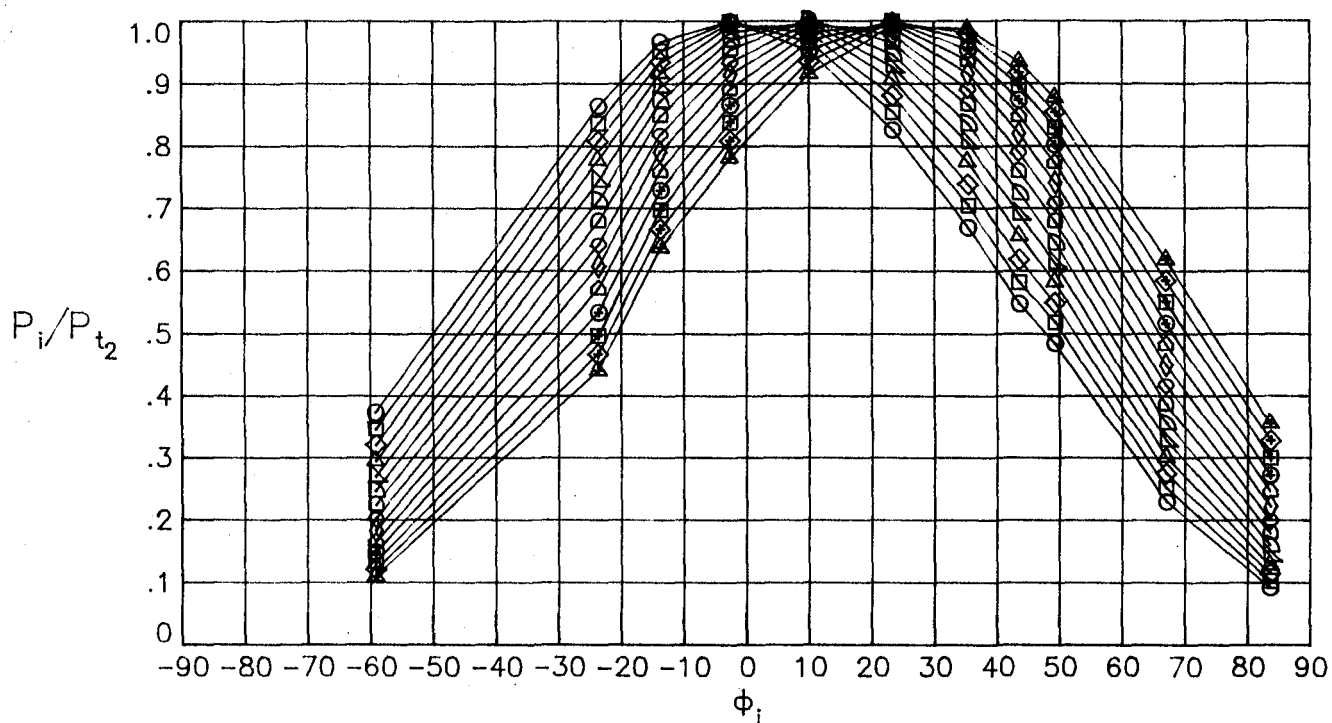


Figure 17. - Sample data, $M_\infty=3.02$, $\beta=0.$, longitudinal sweep

○	α	-2.2	M_∞	3.48	P_{t_2}	696.43
□	α	-3	M_∞	3.48	P_{t_2}	696.28
◇	α	1.6	M_∞	3.48	P_{t_2}	695.99
△	α	3.6	M_∞	3.48	P_{t_2}	695.99
▵	α	5.6	M_∞	3.48	P_{t_2}	696.43
▽	α	7.7	M_∞	3.48	P_{t_2}	695.99
◻	α	9.7	M_∞	3.48	P_{t_2}	696.43
◊	α	11.8	M_∞	3.48	P_{t_2}	694.51
◇	α	13.9	M_∞	3.48	P_{t_2}	696.72
△	α	16.0	M_∞	3.48	P_{t_2}	695.54
⊕	α	18.0	M_∞	3.48	P_{t_2}	695.84
⊞	α	20.1	M_∞	3.48	P_{t_2}	695.99
⊠	α	22.1	M_∞	3.48	P_{t_2}	695.25
⊡	α	24.1	M_∞	3.48	P_{t_2}	695.25

Run # 38, β -.1, Facility: Ames 8x7T 10% Model

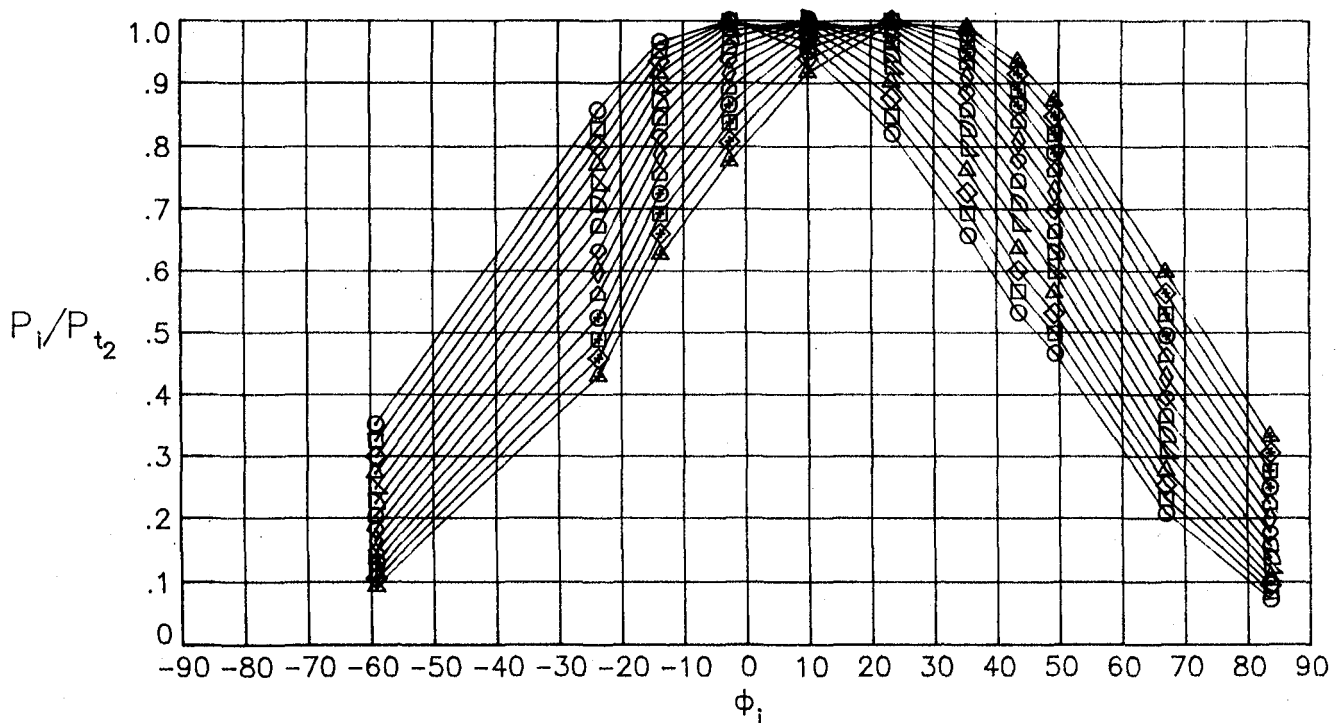


Figure 18. - Sample data, $M_\infty=3.48$, $\beta=0.$, longitudinal sweep

○	β	-4.2	M_∞	2.46	P_{t_2}	978.38
□	β	-3.2	M_∞	2.46	P_{t_2}	978.03
◇	β	-2.1	M_∞	2.46	P_{t_2}	978.03
△	β	-1.0	M_∞	2.46	P_{t_2}	978.03
▵	β	-.5	M_∞	2.46	P_{t_2}	978.03
▷	β	.0	M_∞	2.46	P_{t_2}	978.03
◻	β	.6	M_∞	2.46	P_{t_2}	977.67
◊	β	1.1	M_∞	2.46	P_{t_2}	978.38
◈	β	2.2	M_∞	2.46	P_{t_2}	978.38
◩	β	3.3	M_∞	2.46	P_{t_2}	978.03
⊕	β	3.8	M_∞	2.46	P_{t_2}	977.67
⊞	β	6.5	M_∞	2.46	P_{t_2}	978.03
⊠	β	-6.3	M_∞	2.46	P_{t_2}	978.03

Run # 62, α -.3, Facility: Ames 8x7T 10% Model

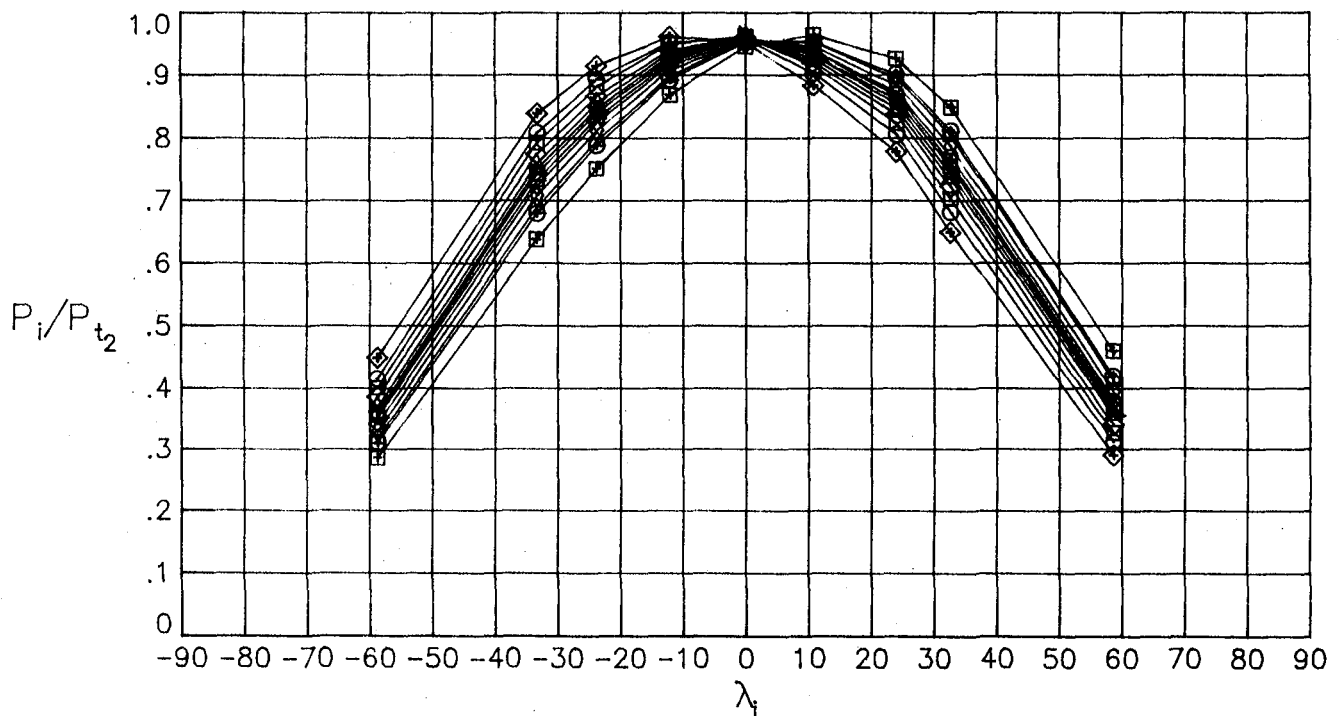


Figure 19. - Sample data, $M_\infty=2.46$, $\alpha=0.$, lateral sweep

○	β	-6.4	M_∞	2.66	P_{t_2}	968.75
□	β	-4.3	M_∞	2.66	P_{t_2}	967.55
◇	β	-3.2	M_∞	2.66	P_{t_2}	967.55
△	β	-2.1	M_∞	2.66	P_{t_2}	967.25
▴	β	-1.0	M_∞	2.66	P_{t_2}	967.25
▢	β	-.5	M_∞	2.66	P_{t_2}	967.55
◻	β	.0	M_∞	2.66	P_{t_2}	967.25
◊	β	.6	M_∞	2.66	P_{t_2}	967.25
◇	β	1.2	M_∞	2.66	P_{t_2}	967.25
△	β	2.2	M_∞	2.66	P_{t_2}	967.25
⊕	β	2.8	M_∞	2.66	P_{t_2}	966.95
⊞	β	3.9	M_∞	2.66	P_{t_2}	967.25
⊠	β	6.6	M_∞	2.66	P_{t_2}	967.25

Run # 55, α -.3, Facility: Ames 8x7T 10% Model

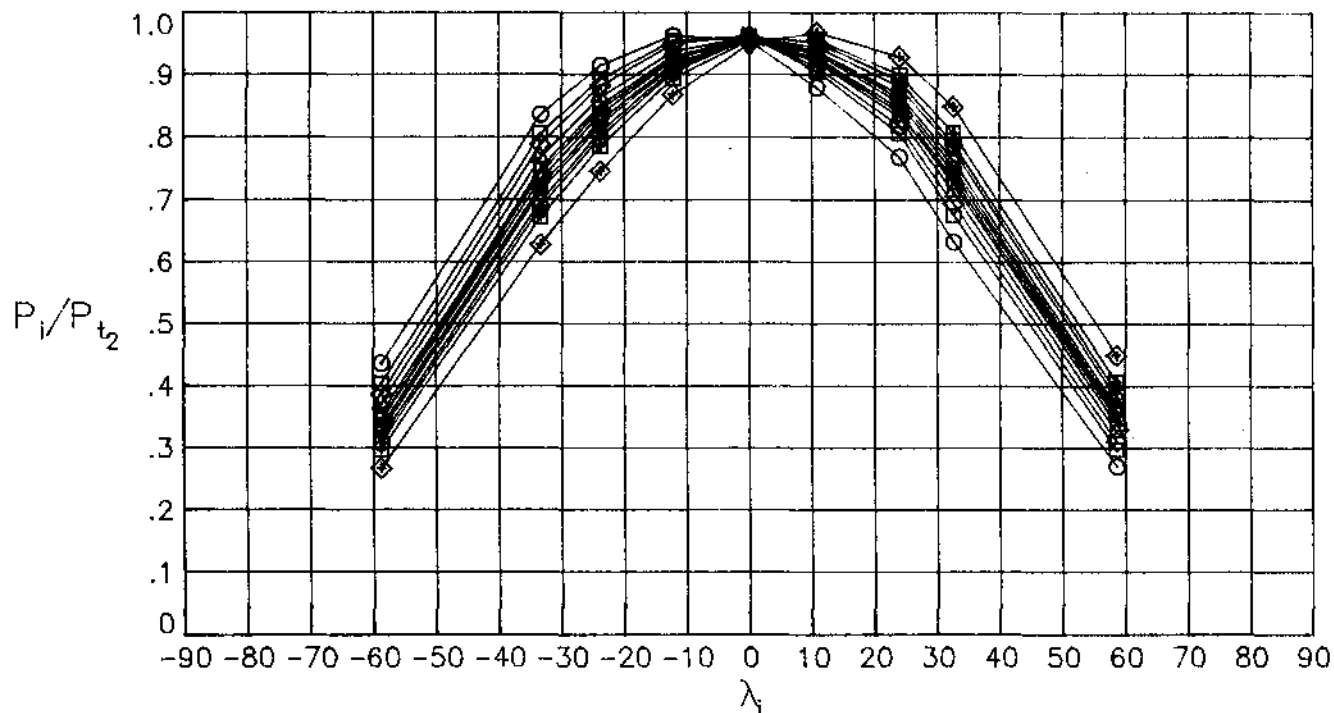


Figure 20. - Sample data, $M_\infty=2.66$, $\alpha=0.$, lateral sweep

○	β	-4.0	M_∞	3.02	P_{t_2}	921.15
□	β	-2.8	M_∞	3.02	P_{t_2}	920.93
◇	β	-2.2	M_∞	3.02	P_{t_2}	920.93
△	β	-1.0	M_∞	3.02	P_{t_2}	920.70
▴	β	-.5	M_∞	3.02	P_{t_2}	920.93
▢	β	.1	M_∞	3.02	P_{t_2}	920.93
◻	β	.7	M_∞	3.02	P_{t_2}	920.70
◊	β	1.3	M_∞	3.02	P_{t_2}	920.70
◈	β	1.9	M_∞	3.02	P_{t_2}	920.70
⊠	β	3.1	M_∞	3.02	P_{t_2}	920.70
⊕	β	4.3	M_∞	3.02	P_{t_2}	920.70
⊞	β	7.2	M_∞	3.02	P_{t_2}	920.70
⊠	β	-6.9	M_∞	3.02	P_{t_2}	920.26

Run # 46, α -.3, Facility: Ames 8x7T 10% Model

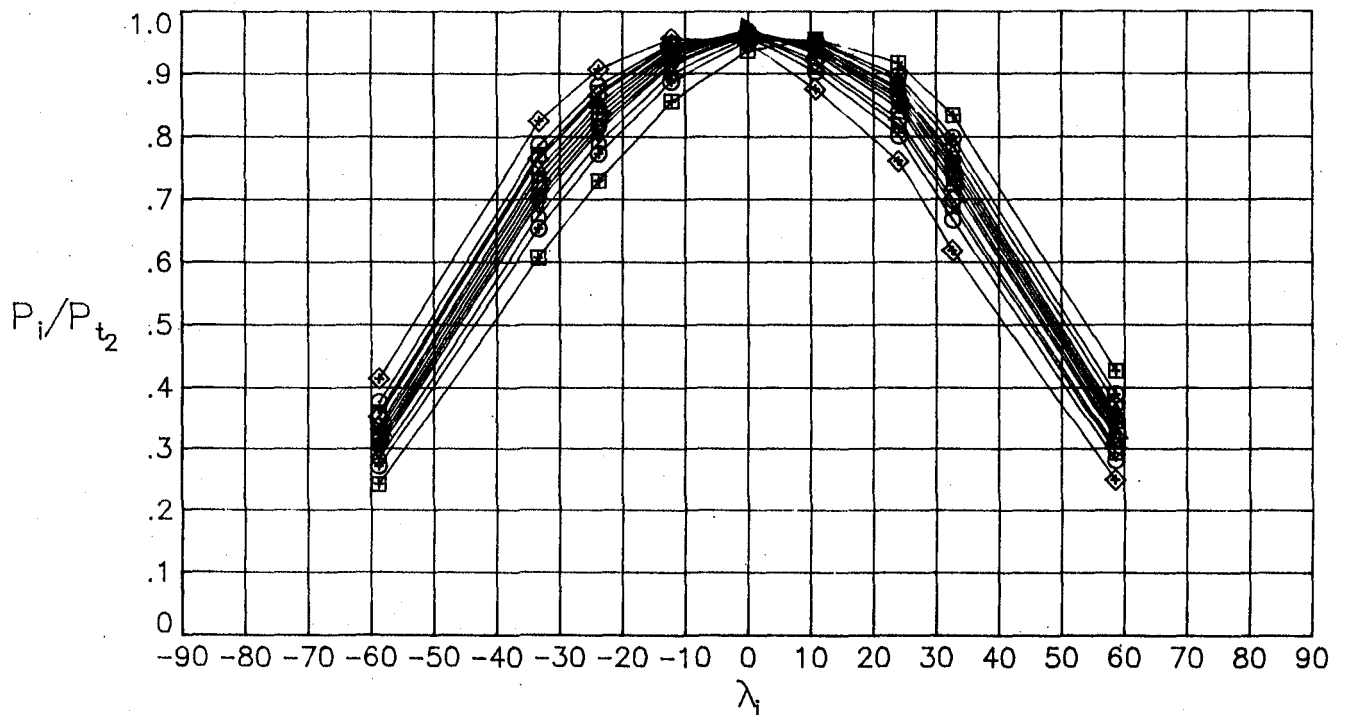


Figure 21. - Sample data, $M_\infty=3.02$, $\alpha=0.$, lateral sweep

○	β	-3.9	M_∞	3.48	P_{t_2}	696.13
□	β	-2.8	M_∞	3.48	P_{t_2}	695.54
◇	β	-2.2	M_∞	3.48	P_{t_2}	695.84
△	β	-1.1	M_∞	3.48	P_{t_2}	696.13
▴	β	-.5	M_∞	3.48	P_{t_2}	695.40
▷	β	.0	M_∞	3.48	P_{t_2}	695.10
◻	β	.6	M_∞	3.48	P_{t_2}	695.54
◊	β	1.2	M_∞	3.48	P_{t_2}	695.69
◈	β	2.3	M_∞	3.48	P_{t_2}	695.84
◊	β	2.9	M_∞	3.48	P_{t_2}	695.40
⊕	β	4.0	M_∞	3.48	P_{t_2}	695.69
⊞	β	6.8	M_∞	3.48	P_{t_2}	695.84
⊠	β	-6.7	M_∞	3.48	P_{t_2}	695.84

Run # 34, α -.2, Facility: Ames 8x7T 10% Model

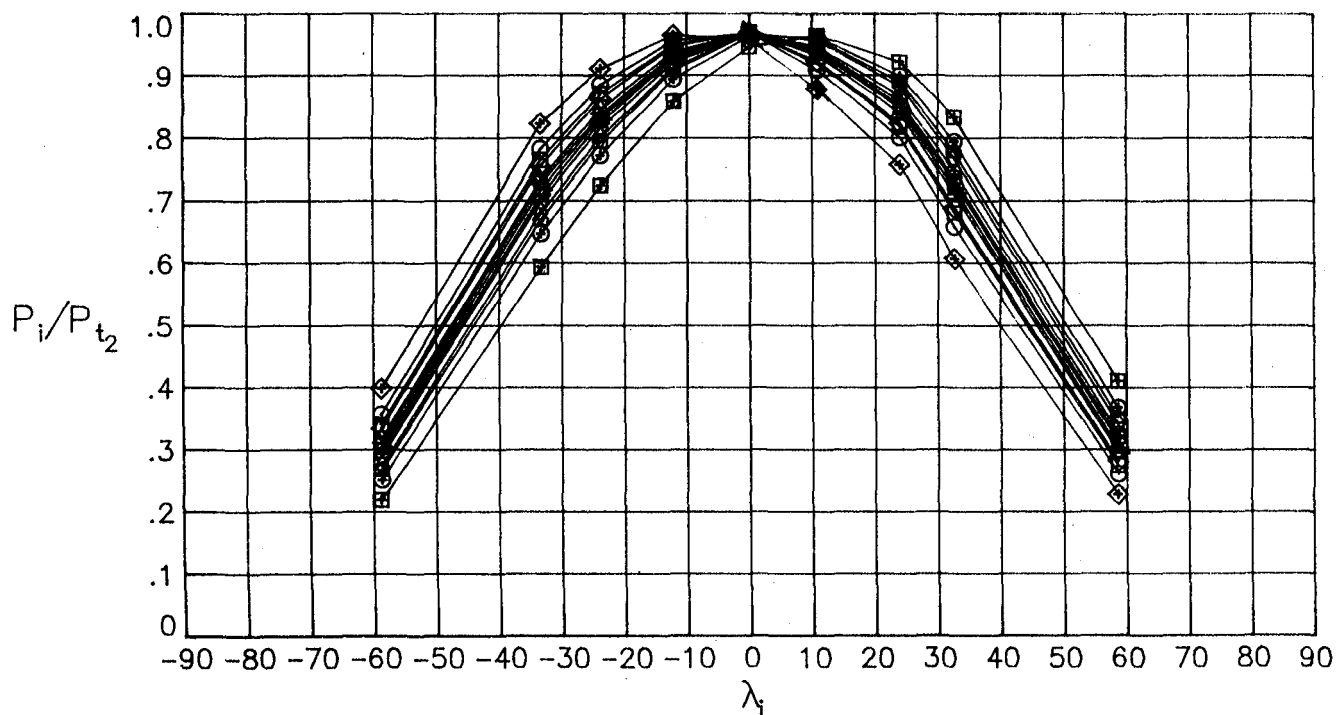


Figure 22. - Sample data, $M_\infty=3.48$, $\alpha=0.$, lateral sweep

Table I
0.10-Scale Model Orifice Locations

Orifice Number	X _o	Y _o	Z _o
2	27.576	-0.005	30.250
3	27.607	-4.053	32.613
4	27.590	4.104	32.602
5	27.607	-4.084	33.355
6	27.589	4.141	33.367
7	27.599	-4.041	34.101
8	27.592	4.083	34.112
9	27.585	0.018	37.969
10	29.597	-0.013	29.653
11	29.618	-4.985	32.985
12	29.589	5.026	32.978
13	29.609	-4.987	33.448
14	29.584	5.025	33.420
15	29.606	-4.943	34.328
16	29.588	4.987	34.331
17	29.197	0.000	38.808
19	33.599	-6.328	33.693
20	33.591	6.397	33.674
21	37.599	-7.453	34.055
22	37.602	7.518	34.033
23	41.610	-8.435	34.597
24	41.598	8.457	34.615
25	45.571	-9.213	35.770
26	45.519	9.225	35.731
43	29.168	-4.688	32.065
44	29.159	4.731	32.025
67	45.600	-9.238	33.500
68	45.600	9.238	33.500
85	26.710	-3.605	33.240
86	26.710	3.670	33.240
87	27.597	-3.112	31.039
88	27.592	3.077	30.987
89	39.198	-3.089	28.396
90	39.182	3.095	28.398
91	39.181	0.001	28.226
92U	26.692	0.011	37.455
92L	26.688	0.003	30.592
93	29.929	-0.003	29.572
94	26.930	0.470	30.920
95	36.740	0.590	28.720
125	38.986	-7.815	37.163
126	38.986	7.815	37.163
128	42.273	-0.176	44.418
132	62.222	0.011	27.439
201	23.810	-0.005	34.776
202	23.660	-0.005	34.327
203	23.588	0.002	33.851
204	23.620	-0.003	33.391
205	23.756	0.000	32.929
206	23.993	-0.005	32.515
207	24.337	-0.004	32.104
208	24.694	0.003	31.764
209	24.050	-1.353	33.440
210	23.819	-0.930	33.413
211	23.676	-0.481	33.389
212	23.661	0.471	33.389
213	23.789	0.921	33.413
214	24.005	1.347	33.447
215	26.867	-0.305	37.553
216	26.824	-3.632	32.709
217	26.811	3.699	32.705
218	26.822	-0.512	30.553

Table I(continued)

Orifice Number	X _o	Y _o	Z _o
219	37.615	-7.465	32.977
220	37.619	7.535	32.998
221	48.283	-9.687	34.596
222	48.292	9.711	34.585
223	49.661	-9.920	32.858
224	49.671	9.941	32.850
225	33.928	0.003	40.943
226	25.095	0.070	36.312
227	24.596	0.010	35.840
228	24.095	0.000	35.287
229	25.593	-0.005	31.142
230	34.290	-0.003	28.771
231	25.127	-2.516	33.602
232	24.379	-1.788	33.495
233	24.381	1.849	33.491
234	25.130	2.578	33.601
235	36.157	-6.820	31.016
236	36.214	-6.136	30.016
237	36.738	-4.088	28.888
238	36.612	-2.602	28.625
239	36.719	-0.498	28.472
240	49.277	-0.962	27.740
241	49.428	-8.712	29.342
242	55.333	-0.005	50.035
243	49.423	0.008	49.756
244	39.216	0.093	43.152
245	36.169	0.100	41.890
246	32.270	-5.905	34.298
247	36.758	-7.230	32.073
248	42.333	-8.577	37.124
249	42.342	8.612	37.119
250	49.233	-9.839	40.842
251	55.488	-10.515	35.326
252	25.336	0.000	31.295

Table II: Run Schedule/Table Reference
Ames 9x7 Tunnel 10% Model

α	β	ϕ	q	Side Probe	Mach Number				
					1.6	1.8	2.0	2.3	2.5
A	0	0	max	*	42 (1) IV (2)	43 XIX	73 XXXV	72 LI	71 LXVII
A	-2	0	nom	*	31 V	44 XX	53 XXXVI	61 LII	67 LXVIII
A	0	0	nom	*	40 VI	45 XXI	54 XXXVII	60 LIII	68 LXIX
A	2	0	nom	*	32 VII	46 XXII	55 XXXVIII	62 LIV	74 LXX
A	6	0	nom	*	33 VIII	47 XXIII	56 XXXIX	63 LV	75 LXXI
10	B	0	nom	*	41 IX	48 XXIV	57 XL	64 LVI	76 LXXII
14	E	0	nom	*	35 X	52 XXV	58 XLI	65 LVII	77 LXXIII
0	B	0	nom	*	36 XI	51 XXVI	59 XLII	66 LVIII	78 LXXIV
0	B	180	nom	*	21 XII	22 XXVII	23 XLIII	24 LIX	25 LXXV
0	C	90	nom	*	9 XIII	10 XXVIII	11 XLIV	12 LX	13 LXXVI
0	D	270	nom	*	15 XIV	16 XXIX	17 XLV	18 LXI	19 LXXVII
A	0	0	max		83 XV	84 XXX	82 XLVI	81 LXII	80 LXXVIII
A	0	0	nom		96 XVI	86 XXXI	87 XLVII	91 LXIII	94 LXXIX
A	2	0	nom			103 XXXII	88 XLVIII	92 LXIV	99 LXXX
10	B	0	nom		97 XVII	104 XXXIII	89 XLIX	93 LXV	100 LXXXI
14	F	0	nom		98 XVIII	105 XXXIV	90 L	102 LXVI	101 LXXXII

A $\alpha = -2, 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24$
 B $\beta = -6, -4, -3, -2, -1, -0.5, 0.5, 1, 2, 3, 4, 6$
 C $\beta = -3, -2, -1, 0, 1, 2, 3, 4, 6$
 D $\beta = -6, -4, -3, -2, -1, 0, 1, 2, 3$
 E $\beta = -2, 0, 2, 6$
 F $\beta = 0, 2$

(1) - Arabic Numerals = Run Numbers
 (2) - Roman Numerals = Table Numbers
 * = Side Probes On

Table III: Data Summary - Ames 9x7 Tunnel - 10% Model

Ref	Run	Point	M _∞	α	β	φ	P _{t1}	q _∞	P _∞	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
1	9	5	1.60	-.1	-2.5	90	1184.10	499.770	280.560	1062.100
2	9	6	1.60	-.1	-2.0	90	1184.80	500.070	280.730	1062.700
3	9	7	1.60	-.1	-1.0	90	1185.50	500.370	280.890	1063.400
4	9	8	1.60	-.1	.1	90	1186.20	500.660	281.060	1064.000
5	9	9	1.60	-.1	1.1	90	1186.20	500.660	281.060	1064.000
6	9	10	1.60	-.0	2.1	90	1186.20	500.660	281.060	1064.000
7	9	11	1.60	-.0	3.1	90	1186.20	500.660	281.060	1064.000
8	9	12	1.60	-.0	4.1	90	1185.50	500.370	280.890	1063.400
9	9	13	1.60	-.0	6.2	90	1186.20	500.660	281.060	1064.000
10	9	14	1.60	-.1	-2.5	90	1184.80	500.070	280.730	1062.700
11	9	15	1.60	-.1	.1	90	1185.50	500.370	280.890	1063.400
12	10	1	1.77	-.3	-2.5	90	1232.40	492.120	223.990	1017.000
13	10	2	1.77	-.4	-2.0	90	1233.10	492.400	224.120	1017.600
14	10	3	1.77	-.3	-1.0	90	1233.80	492.670	224.250	1018.100
15	10	4	1.77	-.3	.0	90	1234.50	492.950	224.370	1018.700
16	10	5	1.77	-.3	1.1	90	1233.80	492.670	224.250	1018.100
17	10	6	1.77	-.3	2.1	90	1234.50	492.950	224.370	1018.700
18	10	7	1.77	-.3	3.1	90	1234.50	492.950	224.370	1018.700
19	10	8	1.77	-.3	4.1	90	1234.50	492.950	224.370	1018.700
20	10	9	1.77	-.3	6.2	90	1234.50	492.950	224.370	1018.700
21	10	10	1.77	-.3	.0	90	1234.50	492.950	224.370	1018.700
22	11	1	1.98	-.0	-2.5	90	1365.70	494.610	180.560	998.400
23	11	2	1.98	-.1	-2.0	90	1367.10	495.110	180.740	999.430
24	11	3	1.98	-.1	-.9	90	1367.10	495.110	180.740	999.430
25	11	4	1.98	-.0	.1	90	1367.80	495.370	180.830	999.940
26	11	5	1.98	-.0	1.1	90	1367.80	495.370	180.830	999.940
27	11	6	1.98	-.0	2.1	90	1366.40	494.860	180.650	998.910
28	11	7	1.98	-.0	3.2	90	1366.40	494.860	180.650	998.910
29	11	8	1.98	.0	4.2	90	1366.40	494.860	180.650	998.910
30	11	9	1.98	-.0	6.2	90	1366.40	494.860	180.650	998.910
31	11	10	1.98	-.0	.1	90	1367.10	495.110	180.740	999.430
32	12	1	2.27	-.0	-2.6	90	1625.60	490.880	135.880	968.550
33	12	2	2.27	-.1	-2.0	90	1624.90	490.670	135.830	968.140
34	12	3	2.27	-.1	-1.0	90	1624.90	490.670	135.830	968.140
35	12	4	2.27	-.0	.0	90	1624.90	490.670	135.830	968.140
36	12	5	2.27	-.0	1.0	90	1625.60	490.880	135.880	968.550
37	12	6	2.27	-.0	2.1	90	1624.90	490.670	135.830	968.140
38	12	7	2.27	.0	3.1	90	1625.60	490.880	135.880	968.550
39	12	8	2.27	.0	4.1	90	1625.60	490.880	135.880	968.550
40	12	9	2.27	.0	6.1	90	1624.90	490.670	135.830	968.140
41	12	10	2.27	-.0	.0	90	1624.90	490.670	135.830	968.140
42	13	1	2.46	-.5	-2.6	90	1842.20	487.230	115.310	951.490
43	13	2	2.46	-.5	-2.0	90	1842.20	487.230	115.310	951.490
44	13	3	2.46	-.5	-1.0	90	1844.20	487.770	115.440	952.560
45	13	4	2.46	-.5	.0	90	1843.50	487.590	115.400	952.200
46	13	5	2.46	-.5	1.0	90	1843.50	487.590	115.400	952.200
47	13	6	2.46	-.4	2.1	90	1844.20	487.770	115.440	952.560
48	13	7	2.46	-.4	3.1	90	1843.50	487.590	115.400	952.200
49	13	8	2.46	-.4	4.1	90	1844.20	487.770	115.440	952.560
50	13	9	2.46	-.4	6.1	90	1843.50	487.590	115.400	952.200
51	13	10	2.46	-.4	.0	90	1844.20	487.770	115.440	952.560
52	15	1	1.60	-.2	2.5	270	1186.20	500.610	280.870	1063.800
53	15	2	1.60	-.2	2.0	270	1193.30	503.600	282.540	1070.100
54	15	3	1.60	-.2	1.0	270	1196.10	504.790	283.210	1072.700
55	15	4	1.60	-.2	-.0	270	1194.00	503.900	282.710	1070.800
56	15	5	1.60	-.2	-1.1	270	1184.80	500.020	280.530	1062.500
57	15	6	1.60	-.2	-2.1	270	1185.50	500.320	280.700	1063.200
58	15	7	1.60	-.3	-3.1	270	1182.70	499.120	280.030	1060.600
59	15	8	1.60	-.3	-4.1	270	1182.70	499.120	280.030	1060.600
60	15	9	1.60	-.2	-6.2	270	1182.70	499.120	280.030	1060.600
61	15	10	1.60	-.2	-.1	270	1183.40	499.420	280.200	1061.300
62	16	1	1.77	.0	2.6	270	1233.80	492.470	223.910	1017.600

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
63	16	2	1.77	.0	2.0	270	1233.10	492.190	223.790	1017.000
64	16	3	1.77	.0	1.0	270	1234.50	492.740	224.040	1018.200
65	16	4	1.77	.0	-0	270	1235.20	493.020	224.170	1018.700
66	16	5	1.77	.0	-1.0	270	1231.00	491.350	223.410	1015.300
67	16	6	1.77	-0	-2.1	270	1231.00	491.350	223.410	1015.300
68	16	7	1.77	-0	-3.1	270	1230.30	491.080	223.280	1014.700
69	16	8	1.77	-0	-4.1	270	1230.30	491.080	223.280	1014.700
70	16	9	1.77	-0	-6.2	270	1232.40	491.910	223.660	1016.400
71	16	10	1.77	-0	-0	270	1234.50	492.740	224.040	1018.200
72	17	1	1.98	-3	2.5	270	1369.20	495.870	181.020	1001.000
73	17	2	1.98	-3	2.0	270	1367.10	495.110	180.740	999.430
74	17	3	1.98	-3	.9	270	1368.50	495.620	180.930	1000.400
75	17	4	1.98	-3	-1	270	1367.80	495.370	180.830	999.940
76	17	5	1.98	-3	-1.1	270	1368.50	495.620	180.930	1000.400
77	17	6	1.98	-3	-2.1	270	1369.20	495.870	181.020	1001.000
78	17	7	1.98	-3	-3.2	270	1369.20	495.870	181.020	1001.000
79	17	8	1.98	-3	-4.2	270	1369.90	496.130	181.110	1001.500
80	17	9	1.98	-3	-6.2	270	1368.50	495.620	180.930	1000.400
81	17	10	1.98	-3	-1	270	1368.50	495.620	180.930	1000.400
82	18	1	2.27	-3	2.6	270	1629.00	491.760	136.070	970.250
83	18	2	2.27	-3	2.0	270	1624.10	490.290	135.670	967.360
84	18	3	2.27	-3	1.0	270	1626.90	491.130	135.900	969.010
85	18	4	2.27	-3	-0	270	1631.80	492.590	136.300	971.900
86	18	5	2.27	-3	-1.0	270	1631.10	492.380	136.240	971.490
87	18	6	2.27	-3	-2.1	270	1624.10	490.290	135.670	967.360
88	18	7	2.27	-3	-3.1	270	1623.50	490.080	135.610	966.950
89	18	8	2.27	-3	-4.1	270	1625.50	490.710	135.780	968.190
90	18	9	2.27	-3	-6.1	270	1626.20	490.920	135.840	968.600
91	18	10	2.27	-3	-0	270	1626.20	490.920	135.840	968.600
92	19	1	2.46	.2	2.6	270	1692.10	447.730	106.010	874.380
93	19	2	2.46	.2	2.0	270	1690.70	447.360	105.930	873.670
94	19	3	2.46	.1	2.6	270	1842.90	487.620	115.460	952.280
95	19	4	2.46	.2	2.1	270	1848.40	489.070	115.800	955.130
96	19	5	2.46	.2	1.0	270	1846.30	488.530	115.670	954.060
97	19	6	2.46	.1	-0	270	1842.90	487.620	115.460	952.280
98	19	7	2.46	.1	-1.0	270	1845.60	488.340	115.630	953.710
99	19	8	2.46	.1	-2.0	270	1845.60	488.340	115.630	953.710
100	19	9	2.46	.1	-3.1	270	1846.30	488.530	115.670	954.060
101	19	10	2.46	.1	-4.1	270	1846.30	488.530	115.670	954.060
102	19	11	2.46	.1	-6.1	270	1845.60	488.340	115.630	953.710
103	19	12	2.46	.1	-0	270	1846.30	488.530	115.670	954.060
104	21	1	1.60	-2	-6.3	180	1182.70	499.160	280.180	1060.800
105	21	2	1.60	-2	-4.2	180	1182.00	498.860	280.010	1060.200
106	21	3	1.60	-2	-3.1	180	1181.30	498.560	279.840	1059.500
107	21	4	1.60	-2	-2.1	180	1182.70	499.160	280.180	1060.800
108	21	5	1.60	-2	-1.0	180	1183.40	499.460	280.340	1061.400
109	21	7	1.60	-2	.1	180	1184.10	499.760	280.510	1062.100
110	21	8	1.60	-2	.6	180	1182.70	499.160	280.180	1060.800
111	21	9	1.60	-2	1.2	180	1183.40	499.460	280.340	1061.400
112	21	10	1.60	-2	2.2	180	1183.40	499.460	280.340	1061.400
113	21	11	1.60	-2	3.3	180	1182.70	499.160	280.180	1060.800
114	21	12	1.60	-2	4.3	180	1182.70	499.160	280.180	1060.800
115	21	13	1.60	-2	6.4	180	1182.70	499.160	280.180	1060.800
116	21	14	1.60	-2	.1	180	1182.70	499.160	280.180	1060.800
117	22	1	1.77	-2	-6.7	180	1232.40	491.860	223.580	1016.300
118	22	2	1.77	-2	-4.6	180	1232.40	491.860	223.580	1016.300
119	22	3	1.77	-2	-3.5	180	1232.40	491.860	223.580	1016.300
120	22	4	1.77	-2	-2.4	180	1232.40	491.860	223.580	1016.300
121	22	5	1.77	-2	-1.3	180	1233.00	492.140	223.700	1016.900
122	22	6	1.77	-2	-.7	180	1232.40	491.860	223.580	1016.300
123	22	7	1.77	-1	-.2	180	1229.60	490.750	223.070	1014.000
124	22	8	1.77	-2	.4	180	1231.00	491.300	223.330	1015.100

Table III(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
125	22	9	1.77	-2	2.0	180	1231.70	491.580	223.450	1015.700
126	22	10	1.77	-2	.9	180	1231.70	491.580	223.450	1015.700
127	22	11	1.77	-2	3.1	180	1231.70	491.580	223.450	1015.700
128	22	12	1.77	-2	4.2	180	1231.70	491.580	223.450	1015.700
129	22	13	1.77	-2	6.4	180	1232.40	491.860	223.580	1016.300
130	22	14	1.77	-2	-2	180	1231.70	491.580	223.450	1015.700
131	23	1	1.98	-3	-6.3	180	1369.30	496.530	181.680	1002.500
132	23	2	1.98	-3	-4.2	180	1369.30	496.530	181.680	1002.500
133	23	3	1.98	-3	-3.1	180	1368.60	496.270	181.590	1002.000
134	23	4	1.98	-2	-2.0	180	1366.50	495.510	181.310	1000.500
135	23	5	1.98	-2	-.9	180	1367.20	495.760	181.400	1001.000
136	23	6	1.98	-2	-.4	180	1367.20	495.760	181.400	1001.000
137	23	7	1.98	-2	.1	180	1367.20	495.760	181.400	1001.000
138	23	8	1.98	-2	.7	180	1367.20	495.760	181.400	1001.000
139	23	9	1.98	-2	1.2	180	1367.90	496.020	181.500	1001.500
140	23	10	1.98	-3	2.3	180	1367.20	495.760	181.400	1001.000
141	23	11	1.98	-3	3.4	180	1365.80	495.260	181.220	999.940
142	23	12	1.98	-3	4.4	180	1365.80	495.260	181.220	999.940
143	23	13	1.98	-2	6.6	180	1365.10	495.000	181.130	999.430
144	23	14	1.98	-2	.1	180	1365.10	495.000	181.130	999.430
145	24	1	2.27	-2	-6.4	180	1625.00	491.180	136.130	969.230
146	24	2	2.27	-2	-4.2	180	1625.70	491.390	136.190	969.640
147	24	3	2.27	-2	-3.1	180	1625.70	491.390	136.190	969.640
148	24	4	2.27	-2	-2.1	180	1625.70	491.390	136.190	969.640
149	24	5	2.27	-2	-1.0	180	1626.40	491.600	136.250	970.060
150	24	6	2.27	-2	-.4	180	1625.70	491.390	136.190	969.640
151	24	7	2.27	-2	.1	180	1625.00	491.180	136.130	969.230
152	24	8	2.27	-2	.7	180	1625.70	491.390	136.190	969.640
153	24	9	2.27	-2	1.2	180	1625.70	491.390	136.190	969.640
154	24	10	2.27	-2	2.3	180	1625.00	491.180	136.130	969.230
155	24	11	2.27	-2	3.4	180	1625.00	491.180	136.130	969.230
156	24	12	2.27	-2	4.5	180	1625.70	491.390	136.190	969.640
157	24	13	2.27	-2	6.7	180	1625.70	491.390	136.190	969.640
158	24	14	2.27	-2	.1	180	1625.00	491.180	136.130	969.230
159	25	1	2.45	-2	-6.0	180	1848.50	490.610	116.560	958.320
160	25	2	2.45	-2	-4.1	180	1843.70	489.330	116.250	955.820
161	25	3	2.45	-2	-3.2	180	1845.80	489.880	116.380	956.890
162	25	4	2.45	-2	-2.2	180	1838.90	488.050	115.950	953.320
163	25	5	2.45	-1	-1.2	180	1841.70	488.780	116.120	954.750
164	25	6	2.45	-1	-.8	180	1844.40	489.510	116.300	956.180
165	25	8	2.45	-1	.2	180	1843.70	489.330	116.250	955.820
166	25	9	2.45	-2	.7	180	1843.00	489.150	116.210	955.460
167	25	10	2.45	-2	1.6	180	1843.70	489.330	116.250	955.820
168	25	11	2.45	-2	2.6	180	1843.70	489.330	116.250	955.820
169	25	12	2.45	-2	3.5	180	1843.70	489.330	116.250	955.820
170	25	13	2.45	-2	5.4	180	1843.00	489.150	116.210	955.460
171	25	14	2.45	-1	-.3	180	1842.30	488.960	116.170	955.110
204	31	1	1.60	-2.1	-2.2	0	1184.10	499.720	280.360	1061.900
205	31	2	1.60	-1	-2.2	0	1184.10	499.720	280.360	1061.900
206	31	3	1.60	2.0	-2.2	0	1184.10	499.720	280.360	1061.900
207	31	4	1.60	4.0	-2.2	0	1184.10	499.720	280.360	1061.900
208	31	5	1.60	6.1	-2.2	0	1184.80	500.020	280.530	1062.500
209	31	6	1.60	8.1	-2.1	0	1184.10	499.720	280.360	1061.900
210	31	7	1.60	10.1	-2.1	0	1184.10	499.720	280.360	1061.900
211	31	8	1.60	12.0	-2.1	0	1184.10	499.720	280.360	1061.900
212	31	9	1.60	13.9	-2.1	0	1184.10	499.720	280.360	1061.900
213	31	10	1.60	16.0	-2.2	0	1184.10	499.720	280.360	1061.900
214	31	11	1.60	18.1	-2.2	0	1183.40	499.420	280.200	1061.300
215	31	12	1.60	20.1	-2.2	0	1183.40	499.420	280.200	1061.300
216	31	13	1.60	22.2	-2.2	0	1184.10	499.720	280.360	1061.900
217	31	14	1.60	24.3	-2.2	0	1184.10	499.720	280.360	1061.900
218	31	15	1.60	14.0	-2.2	0	1184.10	499.720	280.360	1061.900

Table III(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t1}	q _∞	P _∞	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
219	32	1	1.60	-2.1	2.1	0	1183.40	499.420	280.200	1061.300
220	32	2	1.60	-1	2.1	0	1183.40	499.420	280.200	1061.300
221	32	3	1.60	2.0	2.0	0	1183.40	499.420	280.200	1061.300
222	32	4	1.60	4.0	2.0	0	1183.40	499.420	280.200	1061.300
223	32	5	1.60	6.0	2.0	0	1184.10	499.720	280.360	1061.900
224	32	6	1.60	8.1	2.0	0	1183.40	499.420	280.200	1061.300
225	32	7	1.60	10.1	1.9	0	1183.40	499.420	280.200	1061.300
226	32	8	1.60	12.0	1.9	0	1183.40	499.420	280.200	1061.300
227	32	9	1.60	14.0	1.9	0	1182.70	499.120	280.030	1060.600
228	32	10	1.60	16.0	2.0	0	1183.40	499.420	280.200	1061.300
229	32	11	1.60	18.1	2.0	0	1183.40	499.420	280.200	1061.300
230	32	12	1.60	20.1	2.0	0	1183.40	499.420	280.200	1061.300
231	32	13	1.60	22.2	2.0	0	1184.80	500.020	280.530	1062.500
232	32	14	1.60	24.3	2.0	0	1184.10	499.720	280.360	1061.900
233	32	15	1.60	14.0	1.9	0	1186.20	500.610	280.870	1063.800
234	33	1	1.60	-1	6.3	0	1186.20	500.610	280.870	1063.800
235	33	2	1.60	2.0	6.2	0	1186.90	500.910	281.030	1064.400
236	33	3	1.60	4.0	6.2	0	1186.20	500.610	280.870	1063.800
237	33	4	1.60	6.0	6.1	0	1187.60	501.210	281.200	1065.100
238	33	5	1.60	8.0	6.1	0	1189.10	501.810	281.540	1066.300
239	33	6	1.60	10.0	6.1	0	1190.50	502.400	281.870	1067.600
240	33	7	1.60	12.0	6.1	0	1186.90	500.910	281.030	1064.400
241	33	8	1.60	14.0	6.1	0	1184.80	500.020	280.530	1062.500
242	33	9	1.60	16.0	6.1	0	1184.10	499.720	280.360	1061.900
243	33	10	1.60	18.1	6.2	0	1183.40	499.420	280.200	1061.300
244	33	11	1.60	20.1	6.2	0	1183.40	499.420	280.200	1061.300
245	33	12	1.60	22.2	6.2	0	1183.40	499.420	280.200	1061.300
246	33	13	1.60	24.3	6.2	0	1183.40	499.420	280.200	1061.300
247	33	14	1.60	14.0	6.1	0	1183.40	499.420	280.200	1061.300
262	35	1	1.60	14.2	-2.3	0	1183.40	499.420	280.200	1061.300
263	35	2	1.60	14.3	-1	0	1183.40	499.420	280.200	1061.300
264	35	3	1.60	14.2	2.2	0	1182.70	499.120	280.030	1060.600
265	35	4	1.60	14.1	6.5	0	1182.70	499.120	280.030	1060.600
266	35	5	1.60	14.3	-1	0	1182.70	499.120	280.030	1060.600
267	36	1	1.60	-1	-6.4	0	1182.70	499.120	280.030	1060.600
268	36	2	1.60	-1	-4.3	0	1183.40	499.420	280.200	1061.300
269	36	3	1.60	-1	-3.2	0	1182.70	499.120	280.030	1060.600
270	36	4	1.60	-1	-2.2	0	1182.70	499.120	280.030	1060.600
271	36	5	1.60	-1	-1.1	0	1182.70	499.120	280.030	1060.600
272	36	6	1.60	-1	-6	0	1182.70	499.120	280.030	1060.600
273	36	7	1.60	-1	-0	0	1182.70	499.120	280.030	1060.600
274	36	8	1.60	-1	.5	0	1183.40	499.420	280.200	1061.300
275	36	9	1.60	-1	1.0	0	1182.70	499.120	280.030	1060.600
276	36	10	1.60	-1	2.0	0	1183.40	499.420	280.200	1061.300
277	36	11	1.60	-1	3.1	0	1183.40	499.420	280.200	1061.300
278	36	12	1.60	-1	4.2	0	1182.70	499.120	280.030	1060.600
279	36	13	1.60	-0	6.3	0	1183.40	499.420	280.200	1061.300
280	36	14	1.60	-1	-1	0	1183.40	499.420	280.200	1061.300
281	40	2	1.60	-2.2	-0	0	1182.00	498.900	280.150	1060.300
282	40	3	1.60	-1	-1	0	1181.30	498.600	279.990	1059.700
283	40	4	1.60	2.0	-1	0	1181.30	498.600	279.990	1059.700
284	40	5	1.60	4.0	-1	0	1181.30	498.600	279.990	1059.700
285	40	6	1.60	6.0	-1	0	1181.30	498.600	279.990	1059.700
286	40	7	1.60	8.1	-1	0	1182.00	498.900	280.150	1060.300
287	40	8	1.60	10.2	-1	0	1182.70	499.200	280.320	1060.900
288	40	9	1.60	12.2	-1	0	1182.70	499.200	280.320	1060.900
289	40	10	1.60	14.3	-1	0	1182.70	499.200	280.320	1060.900
290	40	11	1.60	16.3	-1	0	1182.70	499.200	280.320	1060.900
291	40	12	1.60	18.4	-1	0	1182.70	499.200	280.320	1060.900
292	40	13	1.60	20.4	-1	0	1182.70	499.200	280.320	1060.900
293	40	14	1.60	22.5	-1	0	1182.70	499.200	280.320	1060.900
294	40	15	1.60	24.5	-1	0	1182.70	499.200	280.320	1060.900

Table III(continued)

Ref	Run Point		M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
295	40	16	1.60	14.3	-1	0	1183.40	499.500	280.490	1061.600
296	41	1	1.60	10.0	-6.3	0	1182.70	499.200	280.320	1060.900
297	41	2	1.60	10.0	-4.2	0	1182.70	499.200	280.320	1060.900
298	41	3	1.60	10.1	-3.1	0	1182.70	499.200	280.320	1060.900
299	41	4	1.60	10.1	-2.1	0	1182.70	499.200	280.320	1060.900
300	41	5	1.60	10.1	-1.1	0	1182.70	499.200	280.320	1060.900
301	41	6	1.60	10.1	-.6	0	1182.70	499.200	280.320	1060.900
302	41	7	1.60	10.1	-.1	0	1182.70	499.200	280.320	1060.900
303	41	8	1.60	10.1	.4	0	1182.70	499.200	280.320	1060.900
304	41	9	1.60	10.1	.9	0	1182.70	499.200	280.320	1060.900
305	41	10	1.60	10.1	1.9	0	1182.00	498.900	280.150	1060.300
306	41	11	1.60	10.1	3.0	0	1182.70	499.200	280.320	1060.900
307	41	12	1.60	10.0	4.0	0	1182.00	498.900	280.150	1060.300
308	41	13	1.60	10.0	6.1	0	1182.70	499.200	280.320	1060.900
309	41	14	1.60	10.1	-1	0	1182.70	499.200	280.320	1060.900
310	42	1	1.60	-2.2	-1	0	1747.50	737.610	414.200	1567.600
311	42	2	1.60	-.2	-1	0	1750.30	738.800	414.870	1570.200
312	42	3	1.60	1.9	-1	0	1753.90	740.290	415.710	1573.300
313	42	4	1.60	4.0	-1	0	1760.20	742.980	417.210	1579.000
314	42	5	1.60	6.1	-1	0	1752.50	739.700	415.370	1572.100
315	42	6	1.60	8.1	-1	0	1753.20	739.990	415.540	1572.700
316	42	7	1.60	10.2	-1	0	1753.20	739.990	415.540	1572.700
317	42	8	1.60	12.2	-1	0	1753.90	740.290	415.710	1573.300
318	42	9	1.60	14.4	-1	0	1751.00	739.100	415.040	1570.800
319	42	10	1.60	16.5	-1	0	1753.90	740.290	415.710	1573.300
320	42	11	1.60	18.6	-1	0	1751.00	739.100	415.040	1570.800
321	42	12	1.60	20.6	-1	0	1750.30	738.800	414.870	1570.200
322	42	13	1.60	22.7	-1	0	1750.30	738.800	414.870	1570.200
323	42	14	1.60	24.7	-1	0	1751.00	739.100	415.040	1570.800
324	42	15	1.60	14.4	-1	0	1752.50	739.700	415.370	1572.100
325	43	1	1.77	-2.3	.2	0	1825.50	728.540	331.070	1505.300
326	43	2	1.77	-.2	.2	0	1824.90	728.450	331.260	1505.200
327	43	3	1.77	1.9	.2	0	1822.80	727.620	330.880	1503.500
328	43	4	1.77	4.0	.1	0	1824.20	728.180	331.130	1504.600
329	43	5	1.77	6.0	.1	0	1824.90	728.450	331.260	1505.200
330	43	6	1.77	8.1	.1	0	1824.20	728.180	331.130	1504.600
331	43	7	1.77	10.2	.1	0	1824.90	728.450	331.260	1505.200
332	43	8	1.77	12.2	.1	0	1824.90	728.450	331.260	1505.200
333	43	9	1.77	14.4	.1	0	1824.20	728.180	331.130	1504.600
334	43	10	1.77	16.5	.1	0	1824.20	728.180	331.130	1504.600
335	43	11	1.77	18.5	.1	0	1824.20	728.180	331.130	1504.600
336	43	12	1.77	20.5	.2	0	1824.20	728.180	331.130	1504.600
337	43	13	1.77	22.6	.2	0	1824.90	728.450	331.260	1505.200
338	43	14	1.77	24.6	.2	0	1824.20	728.180	331.130	1504.600
339	43	15	1.77	14.4	.1	0	1824.20	728.180	331.130	1504.600
340	44	1	1.77	-2.2	-2.0	0	1235.90	493.330	224.330	1019.400
341	44	2	1.77	-.1	-2.0	0	1233.80	492.490	223.960	1017.600
342	44	3	1.77	1.9	-2.0	0	1234.50	492.770	224.080	1018.200
343	44	4	1.77	4.0	-2.0	0	1233.10	492.210	223.830	1017.100
344	44	5	1.77	6.0	-2.0	0	1233.10	492.210	223.830	1017.100
345	44	6	1.77	8.1	-1.9	0	1232.40	491.940	223.700	1016.500
346	44	7	1.77	10.1	-1.9	0	1231.70	491.660	223.580	1015.900
347	44	8	1.77	12.0	-1.9	0	1232.40	491.940	223.700	1016.500
348	44	9	1.77	13.9	-1.9	0	1231.70	491.660	223.580	1015.900
349	44	10	1.77	16.0	-2.0	0	1231.70	491.660	223.580	1015.900
350	44	11	1.77	18.0	-2.0	0	1231.70	491.660	223.580	1015.900
351	44	12	1.77	20.1	-2.0	0	1231.70	491.660	223.580	1015.900
352	44	13	1.77	22.1	-2.0	0	1232.40	491.940	223.700	1016.500
353	44	14	1.77	24.2	-2.0	0	1231.70	491.660	223.580	1015.900
354	44	15	1.77	14.0	-2.0	0	1232.40	491.940	223.700	1016.500
355	45	1	1.77	-2.2	.2	0	1232.40	491.940	223.700	1016.500
356	45	2	1.77	-.1	.2	0	1231.70	491.660	223.580	1015.900

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
357	45	3	1.77	1.9	.2	0	1232.40	491.940	223.700	1016.500
358	45	4	1.77	4.0	.1	0	1231.70	491.660	223.580	1015.900
359	45	5	1.77	6.0	.1	0	1231.70	491.660	223.580	1015.900
360	45	6	1.77	8.1	.2	0	1232.40	491.940	223.700	1016.500
361	45	7	1.77	10.1	.2	0	1232.40	491.940	223.700	1016.500
362	45	8	1.77	12.1	.1	0	1232.40	491.940	223.700	1016.500
363	45	9	1.77	14.3	.1	0	1232.40	491.940	223.700	1016.500
364	45	10	1.77	16.3	.1	0	1231.70	491.660	223.580	1015.900
365	45	11	1.77	18.4	.1	0	1232.40	491.940	223.700	1016.500
366	45	12	1.77	20.4	.2	0	1232.40	491.940	223.700	1016.500
367	45	13	1.77	22.4	.2	0	1232.40	491.940	223.700	1016.500
368	45	14	1.77	24.3	.2	0	1231.70	491.660	223.580	1015.900
369	45	15	1.77	14.3	.2	0	1232.40	491.940	223.700	1016.500
370	46	1	1.77	-.1	2.4	0	1232.40	491.940	223.700	1016.500
371	46	2	1.77	-2.2	2.4	0	1231.70	491.660	223.580	1015.900
372	46	3	1.77	-.1	2.4	0	1231.70	491.660	223.580	1015.900
373	46	4	1.77	1.9	2.3	0	1231.70	491.660	223.580	1015.900
374	46	5	1.77	4.0	2.3	0	1231.70	491.660	223.580	1015.900
375	46	6	1.77	6.0	2.3	0	1233.10	492.210	223.830	1017.100
376	46	7	1.77	8.0	2.3	0	1233.80	492.490	223.960	1017.600
377	46	8	1.77	10.0	2.3	0	1235.20	493.050	224.210	1018.800
378	46	9	1.77	12.0	2.2	0	1235.90	493.330	224.330	1019.400
379	46	10	1.77	14.0	2.2	0	1237.30	493.880	224.590	1020.500
380	46	11	1.77	16.0	2.3	0	1237.90	494.160	224.710	1021.100
381	46	12	1.77	18.1	2.3	0	1239.30	494.710	224.970	1022.200
382	46	13	1.77	20.1	2.3	0	1239.30	494.710	224.970	1022.200
383	46	14	1.77	22.1	2.3	0	1235.20	493.050	224.210	1018.800
384	46	15	1.77	24.1	2.3	0	1233.80	492.490	223.960	1017.600
385	46	16	1.77	14.0	2.2	0	1233.10	492.210	223.830	1017.100
386	47	1	1.77	-.1	6.7	0	1231.70	491.660	223.580	1015.900
387	47	2	1.77	1.9	6.7	0	1231.00	491.380	223.450	1015.400
388	47	3	1.77	4.0	6.6	0	1229.60	490.820	223.200	1014.200
389	47	4	1.77	6.0	6.6	0	1228.90	490.550	223.070	1013.600
390	47	5	1.77	8.0	6.6	0	1228.90	490.550	223.070	1013.600
391	47	6	1.77	10.0	6.6	0	1229.60	490.820	223.200	1014.200
392	47	7	1.77	12.0	6.6	0	1233.10	492.210	223.830	1017.100
393	47	8	1.77	14.0	6.6	0	1234.50	492.770	224.080	1018.200
394	47	9	1.77	16.0	6.6	0	1234.50	492.770	224.080	1018.200
395	47	10	1.77	18.0	6.6	0	1231.70	491.660	223.580	1015.900
396	47	11	1.77	20.1	6.6	0	1229.60	490.820	223.200	1014.200
397	47	12	1.77	22.1	6.7	0	1231.70	491.660	223.580	1015.900
398	47	13	1.77	24.2	6.7	0	1231.70	491.660	223.580	1015.900
399	47	14	1.77	14.0	6.6	0	1232.40	491.940	223.700	1016.500
400	48	1	1.77	10.0	-6.2	0	1232.40	491.940	223.700	1016.500
401	48	2	1.77	10.0	-4.1	0	1232.40	491.940	223.700	1016.500
402	48	3	1.77	10.0	-3.0	0	1231.70	491.660	223.580	1015.900
403	48	4	1.77	10.1	-1.9	0	1232.40	491.940	223.700	1016.500
404	48	5	1.77	10.1	-.8	0	1232.40	491.940	223.700	1016.500
405	48	6	1.77	10.1	-.3	0	1232.40	491.940	223.700	1016.500
406	48	7	1.77	10.1	.2	0	1232.40	491.940	223.700	1016.500
407	48	8	1.77	10.1	.7	0	1232.40	491.940	223.700	1016.500
408	48	9	1.77	10.1	1.2	0	1232.40	491.940	223.700	1016.500
409	48	10	1.77	10.1	2.2	0	1231.70	491.660	223.580	1015.900
410	48	11	1.77	10.0	3.3	0	1232.40	491.940	223.700	1016.500
411	48	12	1.77	10.0	4.4	0	1232.40	491.940	223.700	1016.500
412	48	13	1.77	10.0	6.5	0	1232.40	491.940	223.700	1016.500
413	48	14	1.77	10.1	.2	0	1232.40	491.940	223.700	1016.500
419	51	1	1.77	-.1	-6.4	0	1232.40	492.010	223.830	1016.700
420	51	2	1.77	-.1	-4.2	0	1233.10	492.290	223.950	1017.300
421	51	3	1.77	-.1	-3.1	0	1232.40	492.010	223.830	1016.700
422	51	4	1.77	-.1	-2.0	0	1232.40	492.010	223.830	1016.700
423	51	5	1.77	-.1	-.9	0	1232.40	492.010	223.830	1016.700

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
424	51	6	1.77	-1	-4	0	1232.40	492.010	223.830	1016.700
425	51	7	1.77	-1	.2	0	1233.80	492.570	224.080	1017.900
426	51	8	1.77	-1	.7	0	1235.20	493.130	224.330	1019.000
427	51	9	1.77	-1	1.3	0	1235.20	493.130	224.330	1019.000
428	51	10	1.77	-1	2.4	0	1235.20	493.130	224.330	1019.000
429	51	11	1.77	-1	3.5	0	1235.90	493.400	224.460	1019.600
430	51	12	1.77	-1	4.5	0	1235.20	493.130	224.330	1019.000
431	51	13	1.77	-1	6.7	0	1235.20	493.130	224.330	1019.000
432	51	14	1.77	-1	.2	0	1231.00	491.460	223.570	1015.600
433	52	1	1.77	14.2	-2.1	0	1231.00	491.460	223.570	1015.600
434	52	2	1.77	14.3	.2	0	1233.80	492.570	224.080	1017.900
435	52	3	1.77	14.2	2.5	0	1233.80	492.570	224.080	1017.900
436	52	4	1.77	14.1	6.9	0	1233.80	492.570	224.080	1017.900
437	52	5	1.77	14.3	.1	0	1234.50	492.850	224.210	1018.400
438	53	1	1.98	-2.1	-2.3	0	1388.10	502.430	183.220	1014.100
439	53	2	1.98	-1	-2.3	0	1388.10	502.430	183.220	1014.100
440	53	3	1.98	2.0	-2.3	0	1381.80	500.150	182.390	1009.500
441	53	4	1.98	4.0	-2.3	0	1384.60	501.160	182.760	1011.500
442	53	5	1.98	6.1	-2.3	0	1383.20	500.660	182.580	1010.500
443	53	6	1.98	8.1	-2.2	0	1381.10	499.900	182.300	1009.000
444	53	7	1.98	10.1	-2.2	0	1380.40	499.640	182.210	1008.500
445	53	8	1.98	12.0	-2.1	0	1381.10	499.900	182.300	1009.000
446	53	10	1.98	16.0	-2.2	0	1381.10	499.900	182.300	1009.000
447	53	11	1.98	20.1	-2.3	0	1380.40	499.640	182.210	1008.500
448	53	12	1.98	22.2	-2.3	0	1379.70	499.390	182.110	1008.000
449	53	13	1.98	24.2	-2.3	0	1380.40	499.640	182.210	1008.500
450	53	15	1.98	14.2	-2.4	0	1381.10	499.900	182.300	1009.000
451	54	1	1.98	-2.1	-1	0	1381.10	499.900	182.300	1009.000
452	54	2	1.98	-1	-1	0	1381.10	499.900	182.300	1009.000
453	54	3	1.98	2.0	-1	0	1381.10	499.900	182.300	1009.000
454	54	4	1.98	4.0	-2	0	1380.40	499.640	182.210	1008.500
455	54	5	1.98	6.1	-1	0	1380.40	499.640	182.210	1008.500
456	54	6	1.98	8.1	-1	0	1380.40	499.640	182.210	1008.500
457	54	7	1.98	10.2	-1	0	1381.10	499.900	182.300	1009.000
458	54	8	1.98	12.2	-2	0	1380.40	499.640	182.210	1008.500
459	54	9	1.98	14.3	-2	0	1380.40	499.640	182.210	1008.500
460	54	10	1.98	16.4	-2	0	1380.40	499.640	182.210	1008.500
461	54	11	1.98	18.4	-2	0	1380.40	499.640	182.210	1008.500
462	54	12	1.98	20.4	-1	0	1380.40	499.640	182.210	1008.500
463	54	13	1.98	22.4	-1	0	1380.40	499.640	182.210	1008.500
464	54	14	1.98	24.4	-1	0	1379.70	499.390	182.110	1008.000
465	54	15	1.98	14.4	-1	0	1379.70	499.390	182.110	1008.000
466	55	1	1.98	-2.1	2.0	0	1381.80	500.150	182.390	1009.500
467	55	2	1.98	-0	2.0	0	1377.60	498.630	181.840	1006.400
468	55	3	1.98	2.0	2.0	0	1379.00	499.140	182.020	1007.400
469	55	4	1.98	4.0	2.0	0	1380.40	499.640	182.210	1008.500
470	55	5	1.98	6.1	1.9	0	1381.10	499.900	182.300	1009.000
471	55	6	1.98	8.1	1.9	0	1381.10	499.900	182.300	1009.000
472	55	7	1.98	10.1	1.9	0	1381.80	500.150	182.390	1009.500
473	55	8	1.98	12.1	1.9	0	1381.10	499.900	182.300	1009.000
474	55	9	1.98	14.1	1.9	0	1378.30	498.880	181.930	1006.900
475	55	10	1.98	16.1	1.9	0	1380.40	499.640	182.210	1008.500
476	55	11	1.98	18.1	2.0	0	1381.10	499.900	182.300	1009.000
477	55	12	1.98	20.2	2.0	0	1381.80	500.150	182.390	1009.500
478	55	13	1.98	22.2	2.0	0	1381.10	499.900	182.300	1009.000
479	55	14	1.98	24.2	2.0	0	1381.80	500.150	182.390	1009.500
480	55	15	1.98	14.1	1.9	0	1382.50	500.400	182.480	1010.000
481	56	1	1.98	-0	6.3	0	1381.10	499.900	182.300	1009.000
482	56	2	1.98	2.0	6.2	0	1381.10	499.900	182.300	1009.000
483	56	3	1.98	4.0	6.2	0	1381.10	499.900	182.300	1009.000
484	56	4	1.98	6.0	6.2	0	1381.10	499.900	182.300	1009.000
485	56	5	1.98	8.0	6.1	0	1381.10	499.900	182.300	1009.000

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
486	56	6	1.98	10.1	6.1	0	1381.10	499.900	182.300	1009.000
487	56	7	1.98	12.1	6.1	0	1381.10	499.900	182.300	1009.000
488	56	8	1.98	14.1	6.1	0	1381.10	499.900	182.300	1009.000
489	56	9	1.98	16.1	6.1	0	1381.10	499.900	182.300	1009.000
490	56	10	1.98	18.1	6.2	0	1381.10	499.900	182.300	1009.000
491	56	11	1.98	20.1	6.2	0	1380.40	499.640	182.210	1008.500
492	56	12	1.98	22.2	6.2	0	1381.10	499.900	182.300	1009.000
493	56	13	1.98	24.2	6.3	0	1381.10	499.900	182.300	1009.000
494	56	14	1.98	14.1	6.1	0	1380.40	499.640	182.210	1008.500
495	57	1	1.98	10.1	-6.4	0	1380.40	499.640	182.210	1008.500
496	57	2	1.98	10.1	-4.3	0	1379.70	499.390	182.110	1008.000
497	57	3	1.98	10.1	-3.2	0	1374.80	497.620	181.470	1004.400
498	57	4	1.98	10.1	-2.2	0	1372.70	496.860	181.190	1002.800
499	57	5	1.98	10.2	-1.1	0	1374.10	497.360	181.370	1003.900
500	57	6	1.98	10.2	-6	0	1374.10	497.360	181.370	1003.900
501	57	7	1.98	10.2	-1	0	1376.90	498.380	181.740	1005.900
502	57	8	1.98	10.2	.4	0	1378.30	498.880	181.930	1006.900
503	57	9	1.98	10.2	.8	0	1379.00	499.140	182.020	1007.400
504	57	10	1.98	10.1	1.9	0	1379.00	499.140	182.020	1007.400
505	57	11	1.98	10.1	2.9	0	1378.30	498.880	181.930	1006.900
506	57	12	1.98	10.1	4.0	0	1378.30	498.880	181.930	1006.900
507	57	13	1.98	10.1	6.1	0	1379.70	499.390	182.110	1008.000
508	57	14	1.98	10.2	-1	0	1380.40	499.640	182.210	1008.500
509	58	1	1.98	14.3	-2.4	0	1381.10	499.900	182.300	1009.000
510	58	2	1.98	14.4	-1	0	1380.40	499.640	182.210	1008.500
511	58	3	1.98	14.3	2.1	0	1380.40	499.640	182.210	1008.500
512	58	4	1.98	14.2	6.4	0	1380.40	499.640	182.210	1008.500
513	58	5	1.98	14.4	-1	0	1379.70	499.390	182.110	1008.000
514	59	1	1.98	-0	-6.6	0	1378.30	498.880	181.930	1006.900
515	59	2	1.98	-1	-4.4	0	1378.30	498.880	181.930	1006.900
516	59	3	1.98	-1	-3.3	0	1378.30	498.880	181.930	1006.900
517	59	4	1.98	-0	-2.3	0	1378.30	498.880	181.930	1006.900
518	59	5	1.98	-0	-1.2	0	1378.30	498.880	181.930	1006.900
519	59	6	1.98	-0	-7	0	1378.30	498.880	181.930	1006.900
520	59	7	1.98	-1	-1	0	1378.30	498.880	181.930	1006.900
521	59	8	1.98	-1	.4	0	1378.30	498.880	181.930	1006.900
522	59	9	1.98	-0	1.0	0	1378.30	498.880	181.930	1006.900
523	59	10	1.98	-0	2.0	0	1378.30	498.880	181.930	1006.900
524	59	11	1.98	-0	3.1	0	1377.60	498.630	181.840	1006.400
525	59	12	1.98	-0	4.2	0	1377.60	498.630	181.840	1006.400
526	59	13	1.98	-0	6.3	0	1377.60	498.630	181.840	1006.400
527	59	14	1.98	-1	-1	0	1377.60	498.630	181.840	1006.400
528	60	1	2.28	-2.2	-1	0	1650.20	497.150	137.200	980.700
529	60	2	2.28	-1	-1	0	1649.50	496.940	137.150	980.290
530	60	3	2.28	1.9	-1	0	1648.10	496.520	137.030	979.470
531	60	4	2.28	4.0	-2	0	1649.50	496.940	137.150	980.290
532	60	5	2.28	6.0	-2	0	1650.20	497.150	137.200	980.700
533	60	6	2.28	8.1	-1	0	1650.20	497.150	137.200	980.700
534	60	7	2.28	10.1	-1	0	1650.20	497.150	137.200	980.700
535	60	8	2.28	12.1	-2	0	1650.20	497.150	137.200	980.700
536	60	9	2.28	14.2	-1	0	1650.20	497.150	137.200	980.700
537	60	10	2.28	16.3	-2	0	1650.90	497.350	137.260	981.120
538	60	11	2.28	18.3	-2	0	1650.20	497.150	137.200	980.700
539	60	12	2.28	20.3	-1	0	1650.90	497.350	137.260	981.120
540	60	13	2.28	22.3	-1	0	1650.20	497.150	137.200	980.700
541	60	14	2.28	24.3	-1	0	1650.20	497.150	137.200	980.700
542	60	15	2.28	14.3	-1	0	1650.90	497.350	137.260	981.120
543	60	16	2.28	-1	-1	0	1650.20	497.150	137.200	980.700
544	61	1	2.28	-2.2	-2.3	0	1650.90	497.350	137.260	981.120
545	61	2	2.28	-1	-2.3	0	1650.90	497.350	137.260	981.120
546	61	3	2.28	1.9	-2.3	0	1650.20	497.150	137.200	980.700
547	61	4	2.28	4.0	-2.3	0	1650.90	497.350	137.260	981.120

Table III(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t1}	q _∞	P _∞	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
548	61	5	2.28	6.0	-2.3	0	1650.20	497.150	137.200	980.700
549	61	6	2.28	8.0	-2.2	0	1650.90	497.350	137.260	981.120
550	61	7	2.28	10.0	-2.2	0	1650.90	497.350	137.260	981.120
551	61	8	2.28	11.9	-2.2	0	1650.90	497.350	137.260	981.120
552	61	9	2.28	13.9	-2.2	0	1650.20	497.150	137.200	980.700
553	61	10	2.28	15.9	-2.3	0	1650.20	497.150	137.200	980.700
554	61	11	2.28	18.0	-2.3	0	1650.20	497.150	137.200	980.700
555	61	12	2.28	20.0	-2.3	0	1650.20	497.150	137.200	980.700
556	61	13	2.28	22.1	-2.3	0	1650.90	497.350	137.260	981.120
557	61	14	2.28	24.1	-2.3	0	1652.30	497.770	137.380	981.940
558	61	15	2.28	13.9	-2.3	0	1652.30	497.770	137.380	981.940
559	61	16	2.28	18.0	-2.3	0	1651.60	497.560	137.320	981.530
560	61	17	2.28	20.0	-2.3	0	1652.30	497.770	137.380	981.940
561	62	1	2.28	-2.2	2.1	0	1652.30	497.770	137.380	981.940
562	62	2	2.28	-1	2.1	0	1652.30	497.770	137.380	981.940
563	62	3	2.28	1.9	2.0	0	1653.00	497.980	137.440	982.350
564	62	4	2.28	3.9	2.0	0	1652.30	497.770	137.380	981.940
565	62	5	2.28	6.0	2.0	0	1652.30	497.770	137.380	981.940
566	62	6	2.28	8.0	2.0	0	1652.30	497.770	137.380	981.940
567	62	7	2.28	10.0	1.9	0	1652.30	497.770	137.380	981.940
568	62	8	2.28	12.0	1.9	0	1652.30	497.770	137.380	981.940
569	62	9	2.28	14.0	1.9	0	1652.30	497.770	137.380	981.940
570	62	10	2.28	16.0	1.9	0	1652.30	497.770	137.380	981.940
571	62	11	2.28	18.0	2.0	0	1653.00	497.980	137.440	982.350
572	62	12	2.28	20.0	2.0	0	1652.30	497.770	137.380	981.940
573	62	13	2.28	22.1	2.0	0	1652.30	497.770	137.380	981.940
574	62	14	2.28	24.1	2.0	0	1653.00	497.980	137.440	982.350
575	62	15	2.28	14.0	1.9	0	1653.00	497.980	137.440	982.350
576	62	16	2.28	-1	2.0	0	1652.30	497.770	137.380	981.940
577	62	17	2.28	8.0	2.0	0	1652.30	497.770	137.380	981.940
578	62	18	2.28	10.0	1.9	0	1655.00	498.610	137.610	983.590
579	62	19	2.28	20.0	2.0	0	1655.70	498.820	137.670	984.000
580	63	1	2.28	-1	6.4	0	1656.40	499.020	137.720	984.410
581	63	2	2.28	1.9	6.3	0	1656.40	499.020	137.720	984.410
582	63	3	2.28	3.9	6.3	0	1655.70	498.820	137.670	984.000
583	63	4	2.28	5.9	6.3	0	1655.70	498.820	137.670	984.000
584	63	5	2.28	8.0	6.2	0	1656.40	499.020	137.720	984.410
585	63	6	2.28	10.0	6.2	0	1655.70	498.820	137.670	984.000
586	63	7	2.28	12.0	6.2	0	1656.40	499.020	137.720	984.410
587	63	8	2.28	14.0	6.2	0	1655.00	498.610	137.610	983.590
588	63	9	2.28	16.0	6.2	0	1655.70	498.820	137.670	984.000
589	63	10	2.28	18.0	6.3	0	1655.70	498.820	137.670	984.000
590	63	11	2.28	20.0	6.3	0	1655.70	498.820	137.670	984.000
591	63	12	2.28	22.1	6.3	0	1655.70	498.820	137.670	984.000
592	63	13	2.28	24.1	6.4	0	1655.70	498.820	137.670	984.000
593	63	14	2.28	14.0	6.2	0	1655.70	498.820	137.670	984.000
594	63	15	2.28	-1	6.4	0	1655.00	498.610	137.610	983.590
595	63	16	2.28	1.9	6.3	0	1655.70	498.820	137.670	984.000
596	63	17	2.28	24.1	6.4	0	1655.70	498.820	137.670	984.000
597	64	1	2.28	10.0	-6.5	0	1655.70	498.820	137.670	984.000
598	64	2	2.28	10.0	-4.3	0	1655.70	498.820	137.670	984.000
599	64	3	2.28	10.0	-3.3	0	1655.00	498.610	137.610	983.590
600	64	4	2.28	10.0	-2.2	0	1655.70	498.820	137.670	984.000
601	64	5	2.28	10.1	-1.1	0	1655.00	498.610	137.610	983.590
602	64	6	2.28	10.1	-.6	0	1656.40	499.020	137.720	984.410
603	64	7	2.28	10.1	-.1	0	1655.70	498.820	137.670	984.000
604	64	8	2.28	10.1	.4	0	1656.40	499.020	137.720	984.410
605	64	9	2.28	10.1	.9	0	1656.40	499.020	137.720	984.410
606	64	10	2.28	10.0	1.9	0	1655.70	498.820	137.670	984.000
607	64	11	2.28	10.0	3.0	0	1656.40	499.020	137.720	984.410
608	64	12	2.28	10.0	4.1	0	1656.40	499.020	137.720	984.410
609	64	13	2.28	10.0	6.2	0	1656.40	499.020	137.720	984.410

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
610	64	14	2.28	10.1	-2	0	1656.40	499.020	137.720	984.410
611	64	15	2.28	10.0	-4.3	0	1655.00	498.610	137.610	983.590
612	64	16	2.28	10.1	-1.2	0	1655.70	498.820	137.670	984.000
613	64	17	2.28	10.0	1.9	0	1655.70	498.820	137.670	984.000
614	64	18	2.28	10.0	3.0	0	1655.70	498.820	137.670	984.000
615	64	19	2.28	10.1	-1	0	1655.70	498.820	137.670	984.000
616	65	1	2.28	14.2	-2.4	0	1655.70	498.820	137.670	984.000
617	65	2	2.28	14.3	-1	0	1655.70	498.820	137.670	984.000
618	65	3	2.28	14.2	2.2	0	1655.00	498.610	137.610	983.590
619	65	4	2.28	14.1	6.5	0	1655.70	498.820	137.670	984.000
620	65	5	2.28	14.3	-1	0	1655.00	498.610	137.610	983.590
621	66	1	2.28	-1	-6.7	0	1655.70	498.820	137.670	984.000
622	66	2	2.28	-1	-4.5	0	1655.00	498.610	137.610	983.590
623	66	3	2.28	-1	-3.4	0	1659.20	499.860	137.950	986.060
624	66	4	2.28	-1	-2.3	0	1660.60	500.280	138.070	986.880
625	66	5	2.28	-1	-1.2	0	1660.60	500.280	138.070	986.880
626	66	6	2.28	-1	-7	0	1661.30	500.490	138.130	987.290
627	66	7	2.28	-1	-1	0	1660.60	500.280	138.070	986.880
628	66	8	2.28	-1	.4	0	1660.60	500.280	138.070	986.880
629	66	9	2.28	-1	1.0	0	1656.40	499.020	137.720	984.410
630	66	10	2.28	-1	2.0	0	1655.70	498.820	137.670	984.000
631	66	11	2.28	-1	3.1	0	1653.00	497.980	137.440	982.350
632	66	12	2.28	-1	4.2	0	1654.30	498.400	137.550	983.180
633	66	13	2.28	-1	6.4	0	1654.30	498.400	137.550	983.180
634	66	14	2.28	-1	-1	0	1654.30	498.400	137.550	983.180
635	66	15	2.28	-1	-6.7	0	1654.30	498.400	137.550	983.180
636	66	16	2.28	-1	-3.4	0	1654.30	498.400	137.550	983.180
637	66	17	2.28	-1	4.2	0	1654.30	498.400	137.550	983.180
638	66	18	2.28	-1	-6.7	0	1653.60	498.190	137.490	982.760
639	67	1	2.46	-2.2	-1.6	0	1899.90	501.520	118.440	979.280
640	67	2	2.46	-1	-1.6	0	1902.70	502.250	118.620	980.700
641	67	3	2.46	1.9	-1.6	0	1899.90	501.520	118.440	979.280
642	67	4	2.46	4.0	-1.6	0	1901.30	501.880	118.530	979.990
643	67	5	2.46	6.0	-1.6	0	1901.30	501.880	118.530	979.990
644	67	6	2.46	8.0	-1.5	0	1901.30	501.880	118.530	979.990
645	67	7	2.46	10.0	-1.5	0	1900.60	501.700	118.490	979.630
646	67	8	2.46	11.9	-1.5	0	1901.30	501.880	118.530	979.990
647	67	9	2.46	13.9	-1.5	0	1901.30	501.880	118.530	979.990
648	67	10	2.46	15.9	-1.6	0	1901.30	501.880	118.530	979.990
649	67	11	2.46	18.0	-1.6	0	1902.70	502.250	118.620	980.700
650	67	12	2.46	20.0	-1.6	0	1901.30	501.880	118.530	979.990
651	67	13	2.46	22.1	-1.6	0	1897.80	500.970	118.320	978.210
652	67	14	2.46	24.1	-1.6	0	1897.80	500.970	118.320	978.210
653	67	15	2.46	13.9	-1.6	0	1897.10	500.790	118.270	977.860
654	67	16	2.46	8.0	-1.5	0	1898.50	501.160	118.360	978.570
655	67	17	2.46	15.9	-1.6	0	1897.80	500.970	118.320	978.210
656	68	1	2.46	-2.2	.3	0	1897.10	500.790	118.270	977.860
657	68	2	2.46	-1	.3	0	1897.10	500.790	118.270	977.860
658	68	3	2.46	1.9	.3	0	1897.80	500.970	118.320	978.210
659	68	4	2.46	3.9	.3	0	1897.10	500.790	118.270	977.860
660	68	5	2.46	6.0	.3	0	1897.10	500.790	118.270	977.860
661	68	6	2.46	8.0	.3	0	1897.10	500.790	118.270	977.860
662	68	7	2.46	10.1	.3	0	1897.10	500.790	118.270	977.860
663	68	8	2.46	12.1	.3	0	1897.10	500.790	118.270	977.860
664	68	9	2.46	14.2	.3	0	1897.10	500.790	118.270	977.860
665	68	10	2.46	16.3	.3	0	1897.10	500.790	118.270	977.860
666	68	11	2.46	18.3	.3	0	1897.80	500.970	118.320	978.210
667	68	12	2.46	20.3	.3	0	1897.80	500.970	118.320	978.210
668	68	13	2.46	22.3	.3	0	1897.10	500.790	118.270	977.860
669	68	14	2.46	24.3	.3	0	1897.10	500.790	118.270	977.860
670	68	15	2.46	14.3	.3	0	1897.10	500.790	118.270	977.860
671	68	16	2.46	-2.2	.3	0	1897.10	500.790	118.270	977.860

Table III(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t1}	q _∞	P _∞	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
672	68	17	2.46	3.9	.3	0	1897.10	500.790	118.270	977.860
673	68	18	2.46	16.3	.3	0	1897.10	500.790	118.270	977.860
674	71	1	2.46	-2.3	.3	0	2808.50	740.640	174.730	1446.100
675	71	2	2.46	-3	.3	0	2807.80	740.450	174.690	1445.700
676	71	3	2.46	1.8	.3	0	2807.10	740.270	174.650	1445.400
677	71	4	2.46	3.9	.3	0	2807.10	740.270	174.650	1445.400
678	71	5	2.46	6.0	.3	0	2807.80	740.450	174.690	1445.700
679	71	6	2.46	8.0	.3	0	2806.40	740.090	174.600	1445.000
680	71	7	2.46	10.1	.3	0	2805.70	739.910	174.560	1444.700
681	71	8	2.46	12.2	.3	0	2805.70	739.910	174.560	1444.700
682	71	9	2.46	14.3	.3	0	2807.80	740.450	174.690	1445.700
683	71	10	2.46	16.4	.3	0	2805.70	739.910	174.560	1444.700
684	71	11	2.46	18.5	.3	0	2805.70	739.910	174.560	1444.700
685	71	12	2.46	20.5	.3	0	2805.00	739.730	174.520	1444.300
686	71	13	2.46	22.5	.3	0	2806.40	740.090	174.600	1445.000
687	71	14	2.46	24.5	.3	0	2805.70	739.910	174.560	1444.700
688	71	15	2.46	14.4	.3	0	2805.70	739.910	174.560	1444.700
689	71	16	2.46	12.1	.3	0	2806.40	740.090	174.600	1445.000
690	72	1	2.27	-2.3	-1	0	2447.90	737.650	203.640	1455.200
691	72	2	2.27	-2	-1	0	2449.30	738.070	203.760	1456.000
692	72	3	2.27	1.8	-2	0	2449.30	738.070	203.760	1456.000
693	72	4	2.27	3.9	-2	0	2449.30	738.070	203.760	1456.000
694	72	5	2.27	6.0	-2	0	2449.30	738.070	203.760	1456.000
695	72	6	2.27	8.1	-2	0	2448.60	737.860	203.700	1455.600
696	72	7	2.27	10.1	-2	0	2448.60	737.860	203.700	1455.600
697	72	8	2.27	12.2	-2	0	2448.60	737.860	203.700	1455.600
698	72	9	2.27	14.3	-2	0	2447.90	737.650	203.640	1455.200
699	72	10	2.27	16.4	-2	0	2447.90	737.650	203.640	1455.200
700	72	11	2.27	18.5	-2	0	2448.60	737.860	203.700	1455.600
701	72	12	2.27	20.5	-2	0	2448.60	737.860	203.700	1455.600
702	72	13	2.27	22.5	-2	0	2448.60	737.860	203.700	1455.600
703	72	14	2.27	24.5	-1	0	2447.90	737.650	203.640	1455.200
704	72	15	2.27	14.4	-2	0	2448.60	737.860	203.700	1455.600
705	73	1	1.98	-2.2	-1	0	2047.50	741.160	270.320	1496.000
706	73	2	1.98	-2	-1	0	2046.80	740.910	270.230	1495.500
707	73	3	1.98	1.9	-2	0	2047.50	741.160	270.320	1496.000
708	73	4	1.98	4.0	-2	0	2048.20	741.420	270.410	1496.500
709	73	5	1.98	6.1	-2	0	2048.20	741.420	270.410	1496.500
710	73	6	1.98	8.2	-2	0	2047.50	741.160	270.320	1496.000
711	73	7	1.98	10.2	-2	0	2048.20	741.420	270.410	1496.500
712	73	8	1.98	12.3	-2	0	2048.20	741.420	270.410	1496.500
713	73	9	1.98	14.4	-2	0	2046.80	740.910	270.230	1495.500
714	73	10	1.98	16.5	-2	0	2047.50	741.160	270.320	1496.000
715	73	11	1.98	18.6	-2	0	2046.80	740.910	270.230	1495.500
716	73	12	1.98	20.6	-2	0	2048.20	741.420	270.410	1496.500
717	73	13	1.98	22.7	-1	0	2047.50	741.160	270.320	1496.000
718	73	14	1.98	24.6	-1	0	2047.50	741.160	270.320	1496.000
719	73	15	1.98	14.5	-2	0	2047.50	741.160	270.320	1496.000
720	74	1	2.46	-2.2	2.2	0	1898.50	501.160	118.360	978.570
721	74	2	2.46	-2	2.2	0	1898.50	501.160	118.360	978.570
722	74	3	2.46	1.9	2.2	0	1899.20	501.340	118.400	978.920
723	74	4	2.46	3.9	2.2	0	1899.20	501.340	118.400	978.920
724	74	5	2.46	5.9	2.2	0	1897.80	500.970	118.320	978.210
725	74	6	2.46	8.0	2.1	0	1897.80	500.970	118.320	978.210
726	74	7	2.46	10.0	2.1	0	1898.50	501.160	118.360	978.570
727	74	8	2.46	12.0	2.1	0	1897.80	500.970	118.320	978.210
728	74	9	2.46	14.0	2.1	0	1897.80	500.970	118.320	978.210
729	74	10	2.46	16.0	2.1	0	1897.80	500.970	118.320	978.210
730	74	11	2.46	18.0	2.2	0	1898.50	501.160	118.360	978.570
731	74	12	2.46	20.1	2.2	0	1897.80	500.970	118.320	978.210
732	74	13	2.46	22.1	2.2	0	1897.10	500.790	118.270	977.860
733	74	14	2.46	24.1	2.2	0	1897.80	500.970	118.320	978.210

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
734	74	15	2.46	14.0	2.1	0	1897.10	500.790	118.270	977.860
735	75	1	2.46	-2	6.0	0	1897.80	500.970	118.320	978.210
736	75	2	2.46	1.9	6.0	0	1897.80	500.970	118.320	978.210
737	75	3	2.46	3.9	5.9	0	1897.10	500.790	118.270	977.860
738	75	4	2.46	5.9	5.9	0	1897.10	500.790	118.270	977.860
739	75	5	2.46	7.9	5.9	0	1897.80	500.970	118.320	978.210
740	75	6	2.46	9.9	5.9	0	1897.80	500.970	118.320	978.210
741	75	7	2.46	12.0	5.9	0	1897.80	500.970	118.320	978.210
742	75	8	2.46	14.0	5.9	0	1897.80	500.970	118.320	978.210
743	75	9	2.46	16.0	5.9	0	1897.10	500.790	118.270	977.860
744	75	10	2.46	18.0	5.9	0	1897.10	500.790	118.270	977.860
745	75	11	2.46	20.0	5.9	0	1897.10	500.790	118.270	977.860
746	75	12	2.46	22.1	6.0	0	1897.80	500.970	118.320	978.210
747	75	13	2.46	24.1	6.0	0	1897.80	500.970	118.320	978.210
748	75	14	2.46	14.0	5.9	0	1898.50	501.160	118.360	978.570
749	76	1	2.46	10.0	-5.3	0	1897.10	500.790	118.270	977.860
750	76	2	2.46	10.0	-3.4	0	1897.10	500.790	118.270	977.860
751	76	3	2.46	10.0	-2.4	0	1897.10	500.790	118.270	977.860
752	76	4	2.46	10.0	-1.5	0	1897.80	500.970	118.320	978.210
753	76	5	2.46	10.1	-.6	0	1897.10	500.790	118.270	977.860
754	76	6	2.46	10.1	-.1	0	1897.80	500.970	118.320	978.210
755	76	7	2.46	10.1	.3	0	1897.10	500.790	118.270	977.860
756	76	8	2.46	10.1	.7	0	1897.10	500.790	118.270	977.860
757	76	9	2.46	10.1	1.2	0	1897.80	500.970	118.320	978.210
758	76	10	2.46	10.0	2.1	0	1897.10	500.790	118.270	977.860
759	76	11	2.46	10.0	3.0	0	1897.10	500.790	118.270	977.860
760	76	12	2.46	10.0	4.0	0	1897.80	500.970	118.320	978.210
761	76	13	2.46	9.9	5.9	0	1897.80	500.970	118.320	978.210
762	77	1	2.46	14.1	-1.7	0	1897.10	500.790	118.270	977.860
763	77	2	2.46	14.3	.3	0	1897.80	500.970	118.320	978.210
764	77	3	2.46	14.2	2.3	0	1896.50	500.610	118.230	977.500
765	77	4	2.46	14.1	6.1	0	1897.80	500.970	118.320	978.210
766	77	5	2.46	14.3	.3	0	1898.50	501.160	118.360	978.570
767	78	1	2.46	-2	-5.4	0	1898.50	501.160	118.360	978.570
768	78	2	2.46	-2	-3.5	0	1898.50	501.160	118.360	978.570
769	78	3	2.46	-2	-2.5	0	1899.20	501.340	118.400	978.920
770	78	4	2.46	-2	-1.6	0	1899.20	501.340	118.400	978.920
771	78	5	2.46	-2	-.6	0	1899.20	501.340	118.400	978.920
772	78	6	2.46	-2	-.2	0	1898.50	501.160	118.360	978.570
773	78	7	2.46	-2	.3	0	1897.80	500.970	118.320	978.210
774	78	8	2.46	-2	.8	0	1897.80	500.970	118.320	978.210
775	78	9	2.46	-2	1.3	0	1897.80	500.970	118.320	978.210
776	78	10	2.46	-2	2.2	0	1898.50	501.160	118.360	978.570
777	78	11	2.46	-1	3.2	0	1897.80	500.970	118.320	978.210
778	78	12	2.46	-1	4.1	0	1897.10	500.790	118.270	977.860
779	78	13	2.46	-1	6.0	0	1897.80	500.970	118.320	978.210
780	78	14	2.46	-2	.3	0	1897.80	500.970	118.320	978.210
781	80	1	2.46	-2.3	.3	0	2803.70	740.100	174.790	1445.100
782	80	2	2.46	-2	.3	0	2807.90	741.190	175.050	1447.300
783	80	3	2.46	1.8	.3	0	2820.20	744.460	175.820	1453.700
784	80	4	2.46	3.9	.3	0	2818.90	744.100	175.740	1452.900
785	80	5	2.46	6.0	.3	0	2817.50	743.740	175.650	1452.200
786	80	6	2.46	8.1	.3	0	2819.60	744.280	175.780	1453.300
787	80	7	2.46	10.1	.3	0	2812.00	742.280	175.310	1449.400
788	80	8	2.46	12.2	.3	0	2813.40	742.650	175.390	1450.100
789	80	9	2.46	14.3	.3	0	2812.70	742.470	175.350	1449.800
790	80	10	2.46	16.4	.3	0	2812.70	742.470	175.350	1449.800
791	80	11	2.46	18.5	.3	0	2813.40	742.650	175.390	1450.100
792	80	12	2.46	20.5	.3	0	2812.00	742.280	175.310	1449.400
793	80	13	2.46	22.5	.3	0	2813.40	742.650	175.390	1450.100
794	80	14	2.46	24.5	.3	0	2812.00	742.280	175.310	1449.400
795	80	15	2.46	14.4	.3	0	2812.70	742.470	175.350	1449.800

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
796	81	1	2.28	-2.3	-1	0	2448.60	737.780	203.650	1455.400
797	81	2	2.28	-2	-1	0	2453.50	739.240	204.050	1458.300
798	81	3	2.28	1.8	-2	0	2447.20	737.360	203.530	1454.600
799	81	4	2.28	3.9	-2	0	2448.60	737.780	203.650	1455.400
800	81	5	2.28	6.0	-2	0	2449.30	737.980	203.710	1455.800
801	81	6	2.28	8.1	-2	0	2448.60	737.780	203.650	1455.400
802	81	7	2.28	10.1	-2	0	2449.30	737.980	203.710	1455.800
803	81	8	2.28	12.2	-2	0	2448.60	737.780	203.650	1455.400
804	81	9	2.28	14.3	-2	0	2448.60	737.780	203.650	1455.400
805	81	10	2.28	16.4	-2	0	2445.80	736.940	203.420	1453.800
806	81	11	2.28	18.5	-2	0	2447.20	737.360	203.530	1454.600
807	81	12	2.28	20.5	-2	0	2447.90	737.570	203.590	1455.000
808	81	13	2.28	22.5	-1	0	2447.20	737.360	203.530	1454.600
809	81	14	2.28	24.5	-1	0	2446.50	737.150	203.470	1454.200
810	81	15	2.28	14.4	-1	0	2446.50	737.150	203.470	1454.200
811	82	1	1.98	-2.2	-1	0	2044.00	739.960	269.920	1493.600
812	82	2	1.98	-1	-1	0	2046.10	740.720	270.200	1495.100
813	82	3	1.98	1.9	-1	0	2046.10	740.720	270.200	1495.100
814	82	4	1.98	4.0	-1	0	2046.80	740.970	270.290	1495.600
815	82	5	1.98	6.1	-1	0	2046.80	740.970	270.290	1495.600
816	82	6	1.98	8.2	-1	0	2046.80	740.970	270.290	1495.600
817	82	7	1.98	10.2	-1	0	2047.50	741.220	270.380	1496.100
818	82	8	1.98	12.3	-2	0	2046.80	740.970	270.290	1495.600
819	82	9	1.98	14.4	-1	0	2046.80	740.970	270.290	1495.600
820	82	10	1.98	16.5	-1	0	2047.50	741.220	270.380	1496.100
821	82	11	1.98	18.6	-1	0	2046.80	740.970	270.290	1495.600
822	82	12	1.98	20.6	-1	0	2047.50	741.220	270.380	1496.100
823	82	13	1.98	22.6	-1	0	2046.80	740.970	270.290	1495.600
824	82	14	1.98	24.6	-1	0	2047.50	741.220	270.380	1496.100
825	82	15	1.98	14.5	-1	0	2046.80	740.970	270.290	1495.600
826	82	16	1.98	24.6	-1	0	2046.80	740.970	270.290	1495.600
827	83	1	1.59	-2.3	-1	0	1750.30	738.880	415.190	1570.500
828	83	2	1.59	-2	-1	0	1751.00	739.180	415.360	1571.100
829	83	3	1.59	1.9	-1	0	1750.30	738.880	415.190	1570.500
830	83	4	1.59	4.0	-1	0	1750.30	738.880	415.190	1570.500
831	83	5	1.59	6.0	-1	0	1750.30	738.880	415.190	1570.500
832	83	6	1.59	8.1	-1	0	1752.50	739.780	415.700	1572.400
833	83	7	1.59	10.2	-1	0	1752.50	739.780	415.700	1572.400
834	83	8	1.59	12.2	-1	0	1752.50	739.780	415.700	1572.400
835	83	9	1.59	14.4	-1	0	1752.50	739.780	415.700	1572.400
836	83	10	1.59	16.5	-1	0	1753.20	740.080	415.860	1573.000
837	83	11	1.59	18.6	-1	0	1752.50	739.780	415.700	1572.400
838	83	12	1.59	20.6	-1	0	1752.50	739.780	415.700	1572.400
839	83	13	1.59	22.7	-1	0	1752.50	739.780	415.700	1572.400
840	83	14	1.59	24.8	-1	0	1751.70	739.480	415.530	1571.800
841	83	15	1.59	14.4	-1	0	1751.70	739.480	415.530	1571.800
842	84	1	1.77	-2.3	.2	0	1818.60	726.030	330.240	1500.300
843	84	2	1.77	-2	.2	0	1825.60	728.810	331.510	1506.000
844	84	3	1.77	1.9	.2	0	1827.70	729.640	331.890	1507.700
845	84	4	1.77	3.9	.1	0	1821.40	727.140	330.750	1502.600
846	84	5	1.77	6.0	.1	0	1820.70	726.860	330.620	1502.000
847	84	6	1.77	8.1	.1	0	1822.10	727.420	330.870	1503.100
848	84	7	1.77	10.2	.2	0	1823.50	727.970	331.130	1504.300
849	84	8	1.77	12.2	.1	0	1823.50	727.970	331.130	1504.300
850	84	9	1.77	14.4	.1	0	1823.50	727.970	331.130	1504.300
851	84	10	1.77	16.5	.1	0	1824.20	728.250	331.250	1504.900
852	84	11	1.77	18.5	.1	0	1824.20	728.250	331.250	1504.900
853	84	12	1.77	20.6	.2	0	1824.20	728.250	331.250	1504.900
854	84	13	1.77	22.6	.2	0	1824.20	728.250	331.250	1504.900
855	84	14	1.77	24.6	.2	0	1824.20	728.250	331.250	1504.900
856	84	15	1.77	14.4	.1	0	1824.20	728.250	331.250	1504.900
857	84	16	1.77	16.5	.1	0	1823.50	727.970	331.130	1504.300

Table III(continued)

Ref	Run Point		M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
873	86	1	1.77	-2.2	.2	0	1235.20	493.070	224.250	1018.900
874	86	2	1.77	-1	.2	0	1235.90	493.350	224.380	1019.400
875	86	3	1.77	1.9	.2	0	1235.90	493.350	224.380	1019.400
876	86	4	1.77	4.0	.1	0	1235.90	493.350	224.380	1019.400
877	86	5	1.77	6.0	.1	0	1235.90	493.350	224.380	1019.400
878	86	6	1.77	8.1	.2	0	1235.90	493.350	224.380	1019.400
879	86	7	1.77	10.1	.2	0	1235.90	493.350	224.380	1019.400
880	86	8	1.77	12.1	.1	0	1235.90	493.350	224.380	1019.400
881	86	9	1.77	14.3	.1	0	1235.20	493.070	224.250	1018.900
882	86	10	1.77	16.3	.2	0	1235.90	493.350	224.380	1019.400
883	86	11	1.77	18.4	.2	0	1235.90	493.350	224.380	1019.400
884	86	12	1.77	20.4	.2	0	1235.90	493.350	224.380	1019.400
885	86	13	1.77	22.4	.2	0	1235.20	493.070	224.250	1018.900
886	86	14	1.77	24.4	.2	0	1235.20	493.070	224.250	1018.900
887	86	15	1.77	14.3	.2	0	1235.90	493.350	224.380	1019.400
888	87	1	1.98	-2.1	-.1	0	1380.40	499.640	182.210	1008.500
889	87	2	1.98	-1	-.1	0	1382.50	500.400	182.480	1010.000
890	87	3	1.98	2.0	-.1	0	1379.00	499.140	182.020	1007.400
891	87	4	1.98	4.0	-.1	0	1378.30	498.880	181.930	1006.900
892	87	5	1.98	6.1	-.1	0	1380.40	499.640	182.210	1008.500
893	87	6	1.98	8.1	-.1	0	1379.70	499.390	182.110	1008.000
894	87	7	1.98	10.2	-.1	0	1381.10	499.900	182.300	1009.000
895	87	8	1.98	12.2	-.2	0	1381.80	500.150	182.390	1009.500
896	87	9	1.98	14.3	-.1	0	1381.80	500.150	182.390	1009.500
897	87	10	1.98	16.4	-.1	0	1382.50	500.400	182.480	1010.000
898	87	11	1.98	18.4	-.1	0	1383.20	500.660	182.580	1010.500
899	87	12	1.98	20.4	-.1	0	1383.90	500.910	182.670	1011.000
900	87	13	1.98	22.4	-.1	0	1385.30	501.420	182.850	1012.000
901	87	14	1.98	24.4	-.1	0	1386.70	501.920	183.040	1013.100
902	87	15	1.98	14.4	-.1	0	1387.40	502.180	183.130	1013.600
903	88	1	1.98	-2.1	2.1	0	1380.40	499.640	182.210	1008.500
904	88	2	1.98	-1	2.0	0	1381.80	500.150	182.390	1009.500
905	88	3	1.98	2.0	2.0	0	1381.10	499.900	182.300	1009.000
906	88	4	1.98	4.0	2.0	0	1381.10	499.900	182.300	1009.000
907	88	5	1.98	6.1	2.0	0	1381.80	500.150	182.390	1009.500
908	88	6	1.98	8.1	1.9	0	1381.10	499.900	182.300	1009.000
909	88	7	1.98	10.1	1.9	0	1381.10	499.900	182.300	1009.000
910	88	8	1.98	12.1	1.9	0	1381.10	499.900	182.300	1009.000
911	88	9	1.98	14.1	1.9	0	1380.40	499.640	182.210	1008.500
912	88	10	1.98	16.1	1.9	0	1381.10	499.900	182.300	1009.000
913	88	11	1.98	18.1	2.0	0	1381.80	500.150	182.390	1009.500
914	88	12	1.98	20.2	2.0	0	1381.10	499.900	182.300	1009.000
915	88	13	1.98	22.2	2.0	0	1381.10	499.900	182.300	1009.000
916	88	14	1.98	24.2	2.0	0	1381.10	499.900	182.300	1009.000
917	88	15	1.98	14.1	1.9	0	1381.10	499.900	182.300	1009.000
918	89	1	1.98	10.1	-6.4	0	1381.10	499.900	182.300	1009.000
919	89	2	1.98	10.1	-4.3	0	1381.10	499.900	182.300	1009.000
920	89	3	1.98	10.1	-3.2	0	1381.10	499.900	182.300	1009.000
921	89	4	1.98	10.1	-2.2	0	1381.10	499.900	182.300	1009.000
922	89	5	1.98	10.2	-1.1	0	1381.10	499.900	182.300	1009.000
923	89	6	1.98	10.2	-.6	0	1380.40	499.640	182.210	1008.500
924	89	7	1.98	10.2	-.1	0	1381.10	499.900	182.300	1009.000
925	89	8	1.98	10.2	.4	0	1381.10	499.900	182.300	1009.000
926	89	9	1.98	10.2	.9	0	1381.10	499.900	182.300	1009.000
927	89	10	1.98	10.1	1.9	0	1381.10	499.900	182.300	1009.000
928	89	11	1.98	10.1	3.0	0	1381.10	499.900	182.300	1009.000
929	89	12	1.98	10.1	4.0	0	1381.10	499.900	182.300	1009.000
930	89	13	1.98	10.1	6.1	0	1381.10	499.900	182.300	1009.000
931	89	14	1.98	10.2	-.1	0	1380.40	499.640	182.210	1008.500
932	90	1	1.98	14.3	-.1	0	1380.40	499.640	182.210	1008.500
933	90	2	1.98	14.3	2.2	0	1380.40	499.640	182.210	1008.500
934	91	1	2.27	-2.2	-.1	0	1656.50	499.210	137.830	984.800

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
935	91	2	2.27	-2	-1	0	1656.50	499.210	137.830	984.800
936	91	3	2.27	1.9	-1	0	1656.50	499.210	137.830	984.800
937	91	4	2.27	3.9	-2	0	1656.50	499.210	137.830	984.800
938	91	5	2.27	6.0	-2	0	1650.20	497.330	137.310	981.090
939	91	6	2.27	8.1	-1	0	1650.90	497.530	137.370	981.500
940	91	7	2.27	10.1	-1	0	1652.30	497.950	137.490	982.330
941	91	8	2.27	12.1	-2	0	1651.60	497.740	137.430	981.910
942	91	9	2.27	14.2	-1	0	1652.30	497.950	137.490	982.330
943	91	10	2.27	16.3	-1	0	1652.30	497.950	137.490	982.330
944	91	11	2.27	18.3	-1	0	1650.90	497.530	137.370	981.500
945	91	12	2.27	20.3	-1	0	1650.20	497.330	137.310	981.090
946	91	13	2.27	22.3	-1	0	1650.90	497.530	137.370	981.500
947	91	14	2.27	24.3	-1	0	1651.60	497.740	137.430	981.910
948	91	15	2.27	14.3	-1	0	1651.60	497.740	137.430	981.910
949	92	1	2.27	-2.2	2.1	0	1650.90	497.530	137.370	981.500
950	92	2	2.27	-1	2.1	0	1650.90	497.530	137.370	981.500
951	92	3	2.27	1.9	2.0	0	1650.20	497.330	137.310	981.090
952	92	4	2.27	3.9	2.0	0	1650.90	497.530	137.370	981.500
953	92	5	2.27	6.0	2.0	0	1650.90	497.530	137.370	981.500
954	92	6	2.27	8.0	2.0	0	1650.90	497.530	137.370	981.500
955	92	7	2.27	10.0	1.9	0	1651.60	497.740	137.430	981.910
956	92	8	2.27	12.0	1.9	0	1650.90	497.530	137.370	981.500
957	92	9	2.27	14.0	1.9	0	1650.90	497.530	137.370	981.500
958	92	10	2.27	16.0	2.0	0	1650.90	497.530	137.370	981.500
959	92	11	2.27	18.0	2.0	0	1650.90	497.530	137.370	981.500
960	92	12	2.27	20.1	2.0	0	1650.90	497.530	137.370	981.500
961	92	13	2.27	22.1	2.0	0	1650.90	497.530	137.370	981.500
962	92	14	2.27	24.1	2.0	0	1650.90	497.530	137.370	981.500
963	92	15	2.27	14.0	1.9	0	1651.60	497.740	137.430	981.910
964	93	1	2.27	10.0	-6.5	0	1651.60	497.740	137.430	981.910
965	93	2	2.27	10.0	-4.3	0	1650.90	497.530	137.370	981.500
966	93	3	2.27	10.0	-3.3	0	1650.90	497.530	137.370	981.500
967	93	4	2.27	10.0	-2.2	0	1650.90	497.530	137.370	981.500
968	93	5	2.27	10.1	-1.2	0	1650.90	497.530	137.370	981.500
969	93	6	2.27	10.1	-.7	0	1650.20	497.330	137.310	981.090
970	93	7	2.27	10.1	-.1	0	1650.90	497.530	137.370	981.500
971	93	8	2.27	10.1	.4	0	1650.90	497.530	137.370	981.500
972	93	9	2.27	10.1	.9	0	1650.90	497.530	137.370	981.500
973	93	10	2.27	10.0	1.9	0	1650.90	497.530	137.370	981.500
974	93	11	2.27	10.0	3.0	0	1651.60	497.740	137.430	981.910
975	93	12	2.27	10.0	4.1	0	1650.90	497.530	137.370	981.500
976	93	13	2.27	10.0	6.2	0	1650.20	497.330	137.310	981.090
977	93	14	2.27	10.1	-.1	0	1650.90	497.530	137.370	981.500
978	94	1	2.46	-2.2	.3	0	1907.50	503.520	118.920	983.180
979	94	2	2.46	-.2	.3	0	1903.30	502.430	118.660	981.050
980	94	3	2.46	1.9	.3	0	1899.90	501.520	118.440	979.280
981	94	4	2.46	3.9	.3	0	1898.50	501.160	118.360	978.570
982	94	5	2.46	6.0	.3	0	1898.50	501.160	118.360	978.570
983	94	6	2.46	8.0	.3	0	1895.80	500.430	118.190	977.150
984	94	7	2.46	10.1	.3	0	1896.50	500.610	118.230	977.500
985	94	8	2.46	12.1	.3	0	1896.50	500.610	118.230	977.500
986	94	9	2.46	14.2	.3	0	1896.50	500.610	118.230	977.500
987	94	10	2.46	16.3	.3	0	1896.50	500.610	118.230	977.500
988	94	11	2.46	18.3	.3	0	1895.80	500.430	118.190	977.150
989	94	12	2.46	20.3	.3	0	1895.80	500.430	118.190	977.150
990	94	13	2.46	22.3	.3	0	1896.50	500.610	118.230	977.500
991	94	14	2.46	24.3	.3	0	1896.50	500.610	118.230	977.500
992	94	15	2.46	14.3	.3	0	1895.80	500.430	118.190	977.150
993	96	1	1.60	-2.2	-.1	0	1189.80	502.170	281.950	1067.200
994	96	2	1.60	-.1	-.1	0	1187.60	501.270	281.450	1065.300
995	96	3	1.60	1.9	-.1	0	1186.90	500.980	281.280	1064.700
996	96	4	1.60	4.0	-.1	0	1186.20	500.680	281.110	1064.100

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
997	96	5	1.60	6.0	-1	0	1186.20	500.680	281.110	1064.100
998	96	6	1.60	8.1	-1	0	1186.20	500.680	281.110	1064.100
999	96	7	1.60	10.1	-1	0	1186.20	500.680	281.110	1064.100
1000	96	8	1.60	12.1	-1	0	1185.50	500.380	280.940	1063.400
1001	96	9	1.60	14.3	-1	0	1184.80	500.080	280.780	1062.800
1002	96	10	1.60	16.4	-1	0	1184.10	499.780	280.610	1062.200
1003	96	11	1.60	18.4	-1	0	1183.40	499.480	280.440	1061.500
1004	96	12	1.60	20.4	-1	0	1184.10	499.780	280.610	1062.200
1005	96	13	1.60	22.5	-1	0	1184.80	500.080	280.780	1062.800
1006	96	14	1.60	24.5	-1	0	1184.80	500.080	280.780	1062.800
1007	96	15	1.60	14.3	-1	0	1185.50	500.380	280.940	1063.400
1008	97	1	1.60	10.0	-6.3	0	1190.50	502.470	282.120	1067.900
1009	97	2	1.60	10.0	-4.2	0	1190.50	502.470	282.120	1067.900
1010	97	3	1.60	10.1	-3.1	0	1186.20	500.680	281.110	1064.100
1011	97	4	1.60	10.1	-2.1	0	1187.60	501.270	281.450	1065.300
1012	97	5	1.60	10.1	-1.1	0	1186.90	500.980	281.280	1064.700
1013	97	6	1.60	10.1	-.6	0	1186.90	500.980	281.280	1064.700
1014	97	7	1.60	10.1	-.1	0	1187.60	501.270	281.450	1065.300
1015	97	8	1.60	10.1	.4	0	1186.90	500.980	281.280	1064.700
1016	97	9	1.60	10.1	.9	0	1186.90	500.980	281.280	1064.700
1017	97	10	1.60	10.1	1.9	0	1186.90	500.980	281.280	1064.700
1018	97	11	1.60	10.0	3.0	0	1186.90	500.980	281.280	1064.700
1019	97	12	1.60	10.0	4.0	0	1186.90	500.980	281.280	1064.700
1020	97	13	1.60	10.0	6.1	0	1184.80	500.080	280.780	1062.800
1021	97	14	1.60	10.1	-1	0	1184.10	499.780	280.610	1062.200
1022	98	1	1.60	14.3	-1	0	1184.10	499.780	280.610	1062.200
1023	98	2	1.60	14.2	2.2	0	1184.10	499.780	280.610	1062.200
1024	99	1	2.46	-2.2	2.2	0	1899.90	501.450	118.410	979.130
1025	99	2	2.46	-.2	2.2	0	1896.50	500.540	118.200	977.360
1026	99	3	2.46	1.9	2.2	0	1893.70	499.810	118.020	975.940
1027	99	4	2.46	3.9	2.2	0	1899.90	501.450	118.410	979.130
1028	99	5	2.46	6.0	2.1	0	1900.60	501.630	118.450	979.490
1029	99	6	2.46	8.0	2.1	0	1899.90	501.450	118.410	979.130
1030	99	7	2.46	10.0	2.1	0	1900.60	501.630	118.450	979.490
1031	99	8	2.46	12.0	2.1	0	1899.90	501.450	118.410	979.130
1032	99	9	2.46	13.9	2.1	0	1899.90	501.450	118.410	979.130
1033	99	10	2.46	16.0	2.1	0	1899.20	501.270	118.370	978.780
1034	99	11	2.46	18.0	2.2	0	1899.20	501.270	118.370	978.780
1035	99	12	2.46	20.0	2.2	0	1896.50	500.540	118.200	977.360
1036	99	13	2.46	22.1	2.2	0	1896.50	500.540	118.200	977.360
1037	99	14	2.46	24.1	2.2	0	1897.80	500.900	118.280	978.070
1038	99	15	2.46	14.0	2.1	0	1897.80	500.900	118.280	978.070
1039	99	16	2.46	3.9	2.2	0	1896.50	500.540	118.200	977.360
1040	99	17	2.46	6.0	2.1	0	1897.80	500.900	118.280	978.070
1041	99	18	2.46	22.1	2.2	0	1898.50	501.080	118.320	978.420
1042	100	1	2.46	10.0	-5.2	0	1898.50	501.080	118.320	978.420
1043	100	2	2.46	10.0	-3.4	0	1897.80	500.900	118.280	978.070
1044	100	3	2.46	10.0	-2.4	0	1897.80	500.900	118.280	978.070
1045	100	4	2.46	10.0	-1.5	0	1898.50	501.080	118.320	978.420
1046	100	5	2.46	10.1	-.6	0	1897.10	500.720	118.240	977.710
1047	100	6	2.46	10.1	-.1	0	1897.80	500.900	118.280	978.070
1048	100	7	2.46	10.1	.3	0	1897.80	500.900	118.280	978.070
1049	100	8	2.46	10.1	.7	0	1897.80	500.900	118.280	978.070
1050	100	9	2.46	10.1	1.2	0	1897.80	500.900	118.280	978.070
1051	100	10	2.46	10.0	2.1	0	1897.80	500.900	118.280	978.070
1052	100	11	2.46	10.0	3.0	0	1897.80	500.900	118.280	978.070
1053	100	12	2.46	10.0	4.0	0	1897.80	500.900	118.280	978.070
1054	100	13	2.46	9.9	5.8	0	1897.10	500.720	118.240	977.710
1055	100	14	2.46	10.1	.3	0	1898.50	501.080	118.320	978.420
1056	101	1	2.46	14.2	.3	0	1897.80	500.900	118.280	978.070
1057	101	2	2.46	14.1	-1.7	0	1897.80	500.900	118.280	978.070
1058	102	1	2.28	14.2	-.1	0	1654.30	498.400	137.550	983.180

Table III(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
1059	102	2	2.28	14.2	2.2	0	1652.30	497.770	137.380	981.940
1060	103	1	1.77	-2.2	2.4	0	1235.20	493.150	224.380	1019.100
1061	103	2	1.77	-.1	2.4	0	1231.00	491.480	223.620	1015.600
1062	103	3	1.77	1.9	2.3	0	1230.30	491.210	223.490	1015.100
1063	103	4	1.77	4.0	2.3	0	1231.70	491.760	223.740	1016.200
1064	103	5	1.77	6.0	2.3	0	1231.70	491.760	223.740	1016.200
1065	103	6	1.77	8.0	2.3	0	1233.80	492.600	224.120	1017.900
1066	103	7	1.77	10.0	2.2	0	1233.10	492.320	224.000	1017.400
1067	103	8	1.77	12.0	2.2	0	1233.10	492.320	224.000	1017.400
1068	103	9	1.77	14.0	2.2	0	1233.10	492.320	224.000	1017.400
1069	103	10	1.77	16.0	2.3	0	1233.10	492.320	224.000	1017.400
1070	103	11	1.77	18.1	2.3	0	1233.10	492.320	224.000	1017.400
1071	103	12	1.77	20.1	2.3	0	1233.10	492.320	224.000	1017.400
1072	103	13	1.77	22.1	2.3	0	1233.80	492.600	224.120	1017.900
1073	103	14	1.77	24.1	2.3	0	1233.10	492.320	224.000	1017.400
1074	103	15	1.77	14.0	2.2	0	1233.80	492.600	224.120	1017.900
1075	103	16	1.77	6.0	2.3	0	1233.10	492.320	224.000	1017.400
1076	103	17	1.77	8.0	2.3	0	1231.00	491.480	223.620	1015.600
1077	104	1	1.77	10.0	-6.2	0	1231.00	491.480	223.620	1015.600
1078	104	2	1.77	10.0	-4.1	0	1231.70	491.760	223.740	1016.200
1079	104	3	1.77	10.0	-3.0	0	1230.30	491.210	223.490	1015.100
1080	104	4	1.77	10.1	-1.9	0	1231.00	491.480	223.620	1015.600
1081	104	5	1.77	10.1	-.8	0	1230.30	491.210	223.490	1015.100
1082	104	6	1.77	10.1	-.3	0	1231.00	491.480	223.620	1015.600
1083	104	7	1.77	10.1	.2	0	1231.00	491.480	223.620	1015.600
1084	104	8	1.77	10.1	.7	0	1231.00	491.480	223.620	1015.600
1085	104	9	1.77	10.1	1.2	0	1231.00	491.480	223.620	1015.600
1086	104	10	1.77	10.1	2.2	0	1231.70	491.760	223.740	1016.200
1087	104	11	1.77	10.0	3.3	0	1231.00	491.480	223.620	1015.600
1088	104	12	1.77	10.0	4.4	0	1231.00	491.480	223.620	1015.600
1089	104	13	1.77	10.0	6.5	0	1231.70	491.760	223.740	1016.200
1090	104	14	1.77	10.1	.2	0	1231.70	491.760	223.740	1016.200
1091	105	1	1.77	14.3	.1	0	1231.70	491.760	223.740	1016.200
1092	105	2	1.77	14.2	2.5	0	1232.40	492.040	223.870	1016.800

Table IV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 310	R: 311	R: 312	R: 313	R: 314	R: 315	R: 316	R: 317	R: 318	R: 319	R: 320	R: 321	R: 322	R: 323
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	580.5	620.5	663.1	703.5	741.0	780.8	824.0	863.3	910.9	957.9	1004.0	1050.8	1098.4	1145.8
3	724.0	734.8	746.4	751.3	750.3	756.0	754.6	754.8	751.2	747.3	744.5	738.1	730.0	718.4
4	730.2	746.1	754.2	763.8	765.0	768.5	781.9	766.5	764.4	760.6	754.8	745.8	737.5	726.7
5	742.7	752.9	758.1	756.2	746.0	741.0	737.1	734.2	728.7	723.1	717.8	710.4	700.7	688.4
6	745.9	749.3	751.0	755.0	750.2	747.3	747.0	742.0	730.5	724.7	713.4	705.6	693.9	679.4
7	754.3	751.5	752.6	742.1	733.5	728.8	722.1	714.7	703.6	693.3	682.6	676.2	666.7	653.7
8	766.1	763.9	759.2	757.0	746.4	743.3	734.8	720.3	714.3	704.9	693.4	685.5	672.3	659.7
9	843.9	805.4	763.9	724.3	681.9	642.1	604.5	570.3	534.4	504.9	473.9	446.9	420.6	395.9
10	495.9	532.4	568.8	605.7	639.2	676.8	718.0	759.9	807.1	852.0	893.9	939.4	988.2	1033.0
11	690.7	725.6	715.0	720.2	715.2	705.9	695.3	686.8	678.9	688.4	730.5	758.3	757.2	746.3
12	688.7	695.8	707.5	706.7	694.9	676.1	668.3	672.0	669.6	688.3	715.1	729.4	721.3	708.8
13	683.7	677.4	686.1	708.8	695.6	689.4	681.8	673.0	667.4	667.4	671.0	718.4	737.2	725.0
14	682.5	682.1	684.9	687.0	678.5	671.9	654.2	657.1	657.0	658.4	660.5	688.3	705.1	695.4
15	672.5	674.5	674.0	674.1	668.7	665.5	661.8	659.9	651.5	643.8	636.1	639.0	654.6	656.2
16	652.5	654.1	653.7	650.7	649.1	648.7	649.0	645.3	633.1	621.6	617.0	618.5	625.0	641.2
17	885.0	869.1	826.4	782.1	732.2	698.1	658.2	625.1	586.6	558.9	526.5	497.1	468.2	439.7
19	602.8	597.4	596.8	593.5	592.2	591.3	588.9	590.0	584.8	579.6	571.9	566.7	562.6	561.9
20	574.7	584.5	579.1	579.6	578.0	575.2	577.4	576.2	573.2	569.1	563.7	556.4	550.1	545.6
21	559.1	564.4	571.0	576.3	577.7	576.2	575.2	577.9	574.6	566.8	563.8	562.5	556.2	541.2
22	552.6	557.4	559.3	563.8	563.1	563.2	563.8	567.7	567.5	568.5	563.2	560.6	555.2	541.2
23	495.3	495.1	496.5	503.7	498.8	496.5	496.7	499.8	499.5	496.4	493.0	487.8	489.8	492.0
24	499.8	504.8	508.8	512.9	509.0	510.1	506.8	503.6	500.2	491.8	487.0	484.3	484.8	484.8
25	481.9	482.7	485.4	488.8	490.7	489.1	486.2	483.4	479.2	474.4	471.2	462.7	460.8	455.1
26	481.1	483.4	484.8	489.5	489.9	487.7	485.7	480.9	477.4	475.7	471.5	465.8	461.6	455.7
43	675.1	701.2	710.2	723.8	728.6	738.4	748.0	750.2	756.1	754.3	757.3	760.0	754.7	745.4
44	674.6	728.3	709.6	725.0	734.5	771.1	752.6	756.9	760.4	762.3	760.4	756.8	752.5	744.5
67	458.5	465.5	472.1	481.2	477.9	480.5	476.1	475.2	474.7	472.1	468.3	462.0	458.9	459.2
68	458.8	470.4	477.6	482.0	477.8	480.5	481.7	483.0	484.7	483.3	479.7	473.7	469.7	466.3
85	787.9	795.8	802.5	805.6	802.2	799.4	798.2	794.9	788.8	781.8	768.0	760.7	751.4	735.3
86	800.1	810.3	817.5	821.6	820.7	821.1	820.2	818.5	809.1	800.4	789.6	779.4	765.6	750.1
87	641.1	676.7	709.9	743.2	774.3	802.8	834.8	861.4	892.8	919.9	947.2	972.9	1000.6	1022.3
88	642.6	675.7	711.0	747.1	776.2	805.2	834.6	864.2	896.8	924.7	954.5	979.3	1006.4	1033.8
89	415.0	432.3	453.6	480.2	509.2	530.7	567.8	595.8	631.3	666.0	698.6	735.1	786.0	816.9
90	415.0	437.5	460.1	483.3	505.5	538.6	571.1	603.1	634.2	669.1	704.8	738.4	780.6	819.8
91	415.5	440.6	463.1	481.6	507.3	533.9	567.4	599.2	638.2	672.4	708.1	741.5	793.5	827.5
921	888.8	850.7	812.3	768.2	716.5	676.5	639.4	602.5	562.8	528.9	497.2	467.9	438.3	411.5

Table IV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 310	R: 311	R: 312	R: 313	R: 314	R: 315	R: 316	R: 317	R: 318	R: 319	R: 320	R: 321	R: 322	R: 323	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	623.8	659.0	700.4	747.9	782.7	835.5	884.9	931.2	980.4	1030.4	1075.7	1123.4	1170.3	1215.0	
93	487.1	525.1	559.9	597.9	630.0	668.9	709.2	748.8	792.8	830.9	875.0	920.4	969.5	1019.3	
94	613.8	654.2	698.7	743.3	786.6	839.4	884.0	926.5	975.0	1021.5	1064.6	1110.4	1156.8	1201.5	
95	415.9	444.4	470.5	498.4	523.5	554.9	587.4	622.3	660.4	693.3	736.1	776.8	819.7	863.2	
125	521.4	528.8	534.1	537.2	532.3	527.6	525.3	518.7	508.3	493.0	477.6	465.5	459.3	441.4	
126	538.0	542.9	547.4	550.9	547.6	544.6	538.6	530.9	520.9	509.0	495.5	484.6	476.5	460.5	
128	1049.8	1005.1	954.7	908.5	857.3	812.4	772.4	735.0	697.6	659.6	628.2	602.5	586.0	568.8	
132	424.6	424.6	432.0	444.4	459.4	478.7	501.9	537.4	559.2	580.1	620.8	658.4	777.9	1044.7	
201	1439.0	1410.9	1374.1	1341.3	1289.6	1245.7	1195.1	1145.4	1090.0	1040.5	986.8	933.2	881.6	828.4	
202	1539.9	1528.9	1508.9	1490.9	1456.8	1424.7	1388.9	1350.1	1310.7	1269.9	1224.6	1180.8	1135.2	1090.7	
203	1569.4	1575.8	1574.3	1571.1	1553.3	1537.9	1515.4	1489.8	1459.0	1430.0	1392.7	1354.6	1312.7	1270.9	
204	1513.2	1539.0	1557.6	1572.2	1573.1	1576.6	1575.3	1568.6	1555.0	1542.4	1521.1	1496.7	1469.7	1438.7	
205	1374.3	1415.8	1450.7	1485.3	1504.4	1527.5	1546.0	1558.8	1566.7	1572.3	1572.4	1568.5	1560.4	1547.0	
206	1201.5	1251.5	1296.6	1343.3	1376.9	1414.2	1448.8	1477.3	1501.5	1525.6	1543.8	1557.4	1566.1	1569.7	
207	1059.7	1108.3	1156.9	1205.0	1245.0	1287.7	1330.5	1365.2	1403.1	1437.7	1467.3	1494.0	1516.4	1535.2	
208	958.4	1006.1	1053.8	1101.9	1143.2	1186.8	1232.8	1273.9	1315.3	1354.5	1391.7	1424.9	1456.3	1483.9	
209	1273.3	1285.6	1293.2	1298.1	1293.0	1287.2	1282.0	1271.2	1254.4	1238.8	1218.4	1197.1	1169.2	1142.9	
210	1384.4	1402.5	1412.9	1423.7	1419.4	1419.2	1414.9	1407.4	1390.6	1376.7	1357.8	1335.0	1306.5	1280.0	
211	1475.7	1499.5	1515.0	1530.2	1527.3	1529.5	1529.1	1521.7	1507.7	1495.0	1477.2	1453.3	1426.2	1394.0	
212	1485.6	1511.2	1528.6	1543.1	1543.0	1546.7	1545.1	1537.0	1520.8	1508.5	1489.3	1464.8	1436.9	1406.5	
213	1406.6	1427.9	1440.1	1451.5	1448.8	1449.4	1444.5	1435.2	1419.3	1404.5	1384.5	1360.3	1335.3	1305.5	
214	1286.8	1302.6	1311.6	1318.7	1313.3	1309.3	1302.6	1291.3	1273.3	1258.0	1238.4	1215.4	1189.1	1163.1	
215	865.5	820.9	777.1	742.2	695.5	657.6	620.9	586.1	549.1	516.9	486.5	457.2	429.7	403.2	
216	766.2	773.2	790.7	797.6	800.9	804.0	807.6	811.2	805.9	798.9	793.5	786.9	779.6	768.1	
217	781.7	793.2	801.9	814.2	819.9	824.7	832.0	829.2	822.2	818.4	810.7	800.7	787.9	775.8	
218	619.7	658.3	700.7	745.8	781.3	834.3	882.8	925.2	973.5	1021.5	1066.6	1111.9	1158.2	1200.6	
219	539.8	550.0	557.3	568.3	573.8	580.2	580.2	576.4	578.2	572.2	562.5	559.1	549.9	541.9	
220	525.4	534.2	542.9	555.7	557.1	566.1	568.2	567.3	565.1	562.0	551.2	545.6	536.9	527.0	
221	514.0	493.1	485.1	486.9	486.9	486.9	486.7	487.8	485.0	483.4	480.6	476.7	475.4	471.7	
222	513.8	496.3	484.0	484.6	484.8	488.9	489.6	489.5	485.3	480.5	473.4	468.2	462.6	461.1	
223	495.6	478.4	470.4	474.7	478.4	478.7	478.8	476.4	473.4	471.7	465.2	467.8	457.4	448.0	
224	497.8	474.8	469.0	473.3	477.5	477.5	476.6	473.6	469.6	466.0	461.0	456.1	452.0	450.7	
225	749.3	714.1	679.9	649.3	614.5	582.8	553.4	525.1	498.0	472.6	450.7	429.5	409.1	390.6	
226	1072.9	1033.1	989.7	947.6	899.0	851.1	803.6	763.5	723.9	691.5	656.9	620.0	584.0	546.7	
227	1175.1	1137.2	1094.0	1050.9	1000.6	952.9	905.0	858.9	803.6	754.4	705.9	669.4	628.5	585.8	
228	1297.1	1259.7	1214.9	1171.5	1116.5	1064.1	1011.2	956.3	897.9	837.2	773.1	708.6	659.3	610.0	

Table IV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 310 Pi	R: 311 Pi	R: 312 Pi	R: 313 Pi	R: 314 Pi	R: 315 Pi	R: 316 Pi	R: 317 Pi	R: 318 Pi	R: 319 Pi	R: 320 Pi	R: 321 Pi	R: 322 Pi	R: 323 Pi
229	756.3	804.1	849.7	897.9	938.2	986.9	1033.5	1079.6	1127.6	1174.0	1219.4	1263.2	1304.2	1342.7
230	441.0	464.5	489.9	519.6	545.9	580.2	614.9	651.6	697.2	738.9	776.2	816.5	862.6	903.1
231	975.7	979.1	981.5	975.1	968.5	964.9	956.3	947.0	934.5	918.6	902.2	888.2	869.6	853.4
232	1174.7	1183.0	1189.3	1191.3	1181.5	1173.7	1164.8	1153.1	1136.7	1118.7	1099.1	1077.2	1054.1	1028.9
233	1172.1	1181.4	1183.0	1189.0	1180.3	1172.9	1160.8	1151.5	1133.9	1118.5	1098.3	1077.0	1055.2	1029.5
234	985.9	990.6	989.8	992.2	983.4	972.9	967.5	956.8	943.6	929.4	912.0	895.3	877.5	859.4
235	521.4	543.9	560.7	572.1	579.8	586.5	592.6	600.5	600.1	596.5	587.8	578.5	572.3	566.4
236	469.1	498.5	521.0	548.3	566.1	586.6	608.9	632.3	648.1	663.9	673.2	695.0	712.5	721.2
237	422.6	452.2	479.5	511.7	536.7	571.5	603.4	633.7	668.4	699.2	728.2	768.5	805.7	839.9
238	428.6	458.9	484.2	509.0	533.8	564.8	599.0	631.7	671.7	702.7	738.8	779.1	820.5	863.6
239	413.9	439.3	464.2	495.0	520.5	552.7	583.5	618.9	656.6	694.8	733.8	779.2	820.3	863.0
240	371.2	385.5	400.9	422.4	441.8	465.1	487.4	514.5	543.4	573.3	608.1	651.8	692.3	732.3
241	376.8	411.1	439.4	467.3	486.7	505.6	524.2	539.4	556.0	565.3	577.5	597.4	603.8	615.6
242	237.3	222.6	208.5	195.2	181.5	169.9	159.6	151.1	147.7	148.3	128.6	123.7	122.3	120.0
243	384.1	367.4	349.2	333.5	317.9	302.0	286.8	271.7	257.3	242.6	230.2	220.8	212.6	203.5
244	719.5	684.1	650.2	620.9	585.7	555.6	528.6	505.5	483.7	465.3	449.6	434.1	418.5	403.8
245	723.4	689.0	657.8	630.0	596.0	564.7	537.3	512.0	484.9	462.8	440.8	421.8	406.7	394.7
246	460.0	491.2	513.5	537.8	559.2	569.3	574.8	576.1	578.3	574.8	570.6	564.9	559.7	552.6
247	537.0	552.4	563.9	570.3	570.1	572.0	570.8	564.5	561.1	553.9	547.8	533.9	521.8	504.0
248	507.0	510.5	513.0	512.7	506.3	503.3	498.6	492.9	489.7	487.7	471.3	458.9	450.6	447.9
249	511.8	515.5	516.5	516.7	513.7	509.3	504.8	499.2	493.1	491.0	477.8	459.6	451.4	445.9
250	422.2	459.7	490.7	521.9	539.5	547.6	551.3	543.6	529.0	508.6	467.5	413.1	373.0	354.2
251	362.3	378.0	388.9	399.0	402.4	400.1	391.6	374.7	365.9	364.5	360.2	357.2	353.7	399.8
252	772.4	823.2	875.4	926.7	970.4	1018.1	1067.7	1114.6	1162.6	1209.9	1253.5	1296.4	1339.2	1375.2

Table V: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 204	R: 205	R: 206	R: 207	R: 208	R: 209	R: 210	R: 211	R: 212	R: 213	R: 214	R: 215	R: 216	R: 217	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	393.0	418.8	445.3	472.1	499.9	526.8	554.6	581.3	608.4	639.8	669.9	702.3	734.6	765.0	
3	519.7	524.9	530.6	535.2	538.3	540.8	538.9	539.3	538.3	538.0	534.2	527.9	522.7	517.1	
4	468.1	474.6	479.4	484.1	488.7	492.4	492.6	491.2	488.1	484.8	481.0	477.6	470.9	461.2	
5	532.9	534.2	535.5	534.2	534.1	532.3	528.3	526.6	524.1	520.4	514.8	509.3	501.9	496.6	
6	476.3	476.8	477.7	478.0	479.4	478.2	477.0	473.6	468.2	462.1	456.7	450.3	443.0	435.2	
7	541.5	538.7	535.1	531.4	528.4	523.1	518.3	511.6	506.9	499.6	492.2	484.4	476.3	469.8	
8	488.8	486.6	484.0	481.2	478.3	475.2	470.8	465.9	458.6	450.8	444.9	438.3	429.6	424.1	
9	572.3	543.2	514.2	486.8	459.9	434.5	409.5	387.9	367.0	346.4	324.9	305.4	285.5	269.6	
10	338.2	360.0	382.7	405.5	430.7	457.7	483.7	508.8	536.3	565.6	595.1	625.6	658.9	689.6	
11	509.0	510.3	511.6	513.6	514.6	507.4	500.0	496.2	493.3	490.8	488.2	487.3	502.1	518.6	
12	446.4	448.1	449.2	452.0	450.6	446.3	441.5	438.6	433.5	427.7	427.0	424.9	429.2	443.7	
13	504.2	503.2	503.4	502.2	498.4	492.1	485.5	481.1	479.5	478.6	479.3	482.4	487.0	491.0	
14	441.9	440.2	439.0	438.1	435.9	434.1	431.2	426.6	422.4	419.1	417.1	418.1	419.6	417.4	
15	486.5	485.4	484.9	482.3	479.7	476.3	473.5	468.1	463.4	457.3	455.3	456.7	456.6	452.2	
16	421.9	418.9	416.9	415.7	414.9	413.7	413.7	411.9	408.8	400.6	395.8	393.8	396.1	394.8	
17	597.8	567.1	536.7	510.7	481.6	454.9	431.4	407.6	385.9	371.3	347.6	328.7	310.2	290.8	
19	431.6	429.6	429.8	429.0	426.9	423.6	421.2	420.0	420.7	419.1	420.2	417.3	412.3	410.8	
20	380.7	377.1	372.6	372.1	373.4	373.1	373.8	373.3	371.5	367.9	363.0	354.9	348.7	345.1	
21	397.7	401.6	404.8	407.6	406.8	406.3	404.3	403.9	406.2	402.3	403.2	400.2	398.8	399.1	
22	356.7	358.5	360.2	361.3	360.5	360.7	361.8	363.3	361.3	359.8	360.7	358.7	350.0	347.3	
23	347.0	347.7	348.9	351.8	354.1	356.0	351.2	354.2	354.4	350.0	348.6	346.1	341.3	341.6	
24	322.5	326.0	326.6	328.2	329.8	329.1	328.8	329.6	326.6	320.0	316.3	316.8	315.7	313.5	
25	347.8	347.0	344.6	343.8	344.7	343.9	342.9	342.5	340.6	336.5	334.0	332.7	331.2	330.0	
26	312.1	312.9	313.1	314.4	314.5	313.4	312.3	310.6	309.3	306.8	301.2	298.6	298.0	296.0	
43	488.7	497.1	505.0	513.0	521.7	529.7	533.8	538.2	544.0	545.9	548.4	548.8	550.9	548.7	
44	434.9	443.1	449.4	456.4	462.8	468.6	475.0	477.9	479.2	477.8	474.7	471.9	469.7	465.1	
67	330.4	330.5	333.2	336.4	338.7	340.3	338.9	337.5	338.6	337.0	335.9	336.0	336.8	334.4	
68	300.1	305.3	307.3	309.3	310.0	311.8	313.3	314.7	314.4	308.5	304.3	301.2	301.7	300.9	
85	570.5	572.4	573.5	573.9	575.3	572.9	570.0	569.4	566.2	562.7	556.5	547.5	539.8	532.1	
86	487.6	504.1	517.9	531.3	543.6	555.8	566.5	576.7	583.1	589.0	594.3	597.2	601.5	603.7	
87	448.3	471.2	493.1	515.7	536.7	560.1	579.6	599.8	619.7	640.8	659.1	678.2	695.4	713.0	
88	421.0	444.9	465.5	486.9	508.0	529.4	547.4	565.1	581.2	599.1	616.2	635.0	653.0	670.1	
89	280.7	297.7	312.5	327.9	350.8	365.4	387.6	407.6	427.6	450.5	472.5	498.1	527.2	554.4	
90	278.6	298.0	312.2	326.3	342.4	363.6	383.2	399.3	417.0	437.2	459.9	486.7	514.6	540.1	
91	282.3	298.9	312.9	327.2	345.5	365.1	385.1	403.6	423.9	446.0	467.7	494.0	521.3	551.0	
921	601.4	572.3	542.8	511.2	479.8	452.9	426.3	403.5	381.2	355.9	335.3	314.4	293.9	275.0	

Table V: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 204	R: 205	R: 206	R: 207	R: 208	R: 209	R: 210	R: 211	R: 212	R: 213	R: 214	R: 215	R: 216	R: 217
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	420.7	446.4	472.3	500.3	527.8	561.2	594.1	623.8	654.6	685.5	716.5	749.4	780.7	810.5
93	332.9	353.3	376.1	398.5	423.5	449.4	474.8	500.8	527.8	555.5	583.8	614.8	646.6	679.0
94	414.7	440.8	468.1	497.5	528.8	563.4	592.8	621.3	649.5	679.8	708.7	740.2	770.8	800.3
95	283.1	297.9	313.2	330.8	350.4	371.8	393.1	414.7	438.7	466.0	495.9	519.3	546.3	578.2
125	376.0	376.4	377.3	378.7	378.3	376.5	372.0	367.0	362.3	355.5	349.0	340.6	333.1	321.2
126	348.5	351.2	349.6	351.3	353.0	351.3	349.7	346.8	341.0	333.9	326.6	316.8	309.9	300.8
128	713.4	679.8	643.0	612.2	582.6	552.7	526.8	505.2	483.2	464.3	444.2	426.3	412.6	396.7
132	288.0	291.3	297.1	306.0	315.2	328.4	341.7	363.4	373.2	390.6	413.4	437.3	655.8	700.0
201	974.2	951.7	926.0	899.5	871.1	839.4	808.9	778.4	746.7	712.0	677.5	640.8	606.2	571.5
202	1041.6	1030.8	1016.6	1001.8	982.9	961.3	939.9	917.1	892.4	864.4	836.4	805.6	774.3	744.0
203	1061.9	1062.2	1059.7	1055.3	1047.6	1036.4	1024.2	1008.6	991.3	970.2	947.3	921.6	893.7	865.2
204	1025.2	1037.8	1047.7	1056.4	1061.9	1063.2	1062.4	1059.0	1053.5	1043.7	1031.5	1017.1	997.4	976.4
205	931.0	954.2	977.0	996.6	1014.6	1030.3	1042.1	1050.4	1056.9	1060.3	1062.2	1060.0	1055.3	1046.3
206	815.6	845.6	875.2	903.4	928.5	954.8	976.7	994.9	1010.5	1025.8	1038.9	1049.1	1055.9	1058.8
207	717.7	748.7	779.4	810.4	840.7	868.2	894.9	918.8	941.5	964.1	984.9	1003.2	1020.7	1033.3
208	649.5	679.1	710.3	740.2	770.2	800.8	828.6	856.0	881.8	907.6	931.5	956.3	977.0	995.9
209	890.0	894.9	898.8	900.3	900.5	896.2	891.2	885.3	878.7	867.5	855.5	840.0	823.0	803.6
210	959.9	967.7	975.2	979.9	981.6	979.8	976.8	972.1	965.1	954.6	941.9	927.7	910.0	888.7
211	1011.7	1021.5	1032.1	1038.6	1043.9	1044.6	1043.5	1039.1	1033.0	1023.4	1012.7	997.4	979.8	958.1
212	993.6	1005.1	1015.4	1022.7	1027.4	1029.3	1029.2	1025.0	1018.2	1010.1	996.8	981.8	962.8	942.7
213	930.0	939.5	945.8	950.0	953.5	953.3	951.7	947.2	939.4	930.3	917.3	901.1	883.4	864.4
214	844.2	849.0	853.1	854.0	854.0	852.9	849.9	844.1	835.6	824.4	811.2	796.5	777.7	762.4
215	593.3	562.9	531.5	503.1	473.5	445.8	420.6	396.7	374.4	352.6	333.3	311.7	292.0	273.0
216	551.8	559.2	564.9	569.2	574.0	576.1	579.1	578.3	579.1	576.8	573.5	568.3	560.0	553.3
217	503.4	511.3	518.5	523.3	526.6	529.9	530.2	530.2	526.3	520.5	514.0	506.7	498.2	491.3
218	422.0	449.7	475.2	504.0	531.5	565.1	595.7	624.3	654.7	685.6	717.5	747.9	779.8	810.3
219	381.0	386.2	391.0	395.3	398.9	400.5	402.4	403.2	402.4	399.9	397.5	391.5	386.3	386.1
220	342.9	347.8	352.2	355.6	359.1	363.6	363.2	360.9	358.8	356.1	354.3	347.2	341.8	337.0
221	367.9	351.2	343.9	345.1	345.4	345.6	345.8	344.8	346.2	343.8	343.5	340.9	338.6	337.4
222	347.7	333.8	322.7	319.4	319.2	319.6	321.2	318.6	317.4	313.9	311.7	306.9	302.5	298.1
223	350.4	337.0	330.5	334.6	338.1	337.8	339.8	337.3	339.2	335.7	335.6	332.0	330.0	329.8
224	332.7	322.1	315.9	317.1	316.2	316.4	315.2	312.6	310.7	305.3	301.9	296.2	289.5	288.5
225	513.5	484.7	454.1	430.1	406.5	386.7	368.5	351.7	335.1	316.6	304.3	296.2	283.5	270.1
226	725.2	693.9	664.1	633.5	602.9	573.1	544.8	518.9	494.8	471.4	446.1	422.4	397.7	373.2
227	795.6	766.1	735.7	704.8	674.2	644.0	613.5	587.2	555.1	521.3	487.2	458.0	433.7	404.7
228	876.9	848.9	817.3	785.2	752.6	718.5	685.5	651.4	616.6	578.1	536.0	492.5	454.3	420.5

Table V: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 204 Pi	R: 205 Pi	R: 206 Pi	R: 207 Pi	R: 208 Pi	R: 209 Pi	R: 210 Pi	R: 211 Pi	R: 212 Pi	R: 213 Pi	R: 214 Pi	R: 215 Pi	R: 216 Pi	R: 217 Pi
229	512.8	541.3	571.5	600.9	632.9	663.9	694.8	723.5	753.6	785.8	813.6	844.2	871.9	899.2
230	295.9	311.8	328.9	347.8	368.5	391.1	412.1	434.1	459.2	486.0	514.3	544.0	574.9	603.0
231	695.6	694.9	694.5	691.3	686.8	683.3	676.4	670.6	663.4	654.4	645.4	633.9	622.6	610.2
232	826.5	828.2	830.2	829.4	827.5	821.3	815.0	808.4	800.2	790.0	776.0	761.1	746.4	728.7
233	763.5	766.8	766.5	766.1	765.1	760.3	755.7	749.3	740.2	728.7	716.2	702.6	684.7	669.3
234	634.5	635.7	634.5	632.8	631.7	626.6	623.3	617.8	608.8	599.2	588.2	577.3	565.3	551.8
235	361.6	383.6	397.3	408.7	417.2	422.8	427.1	431.6	433.8	435.1	437.4	435.9	426.2	417.0
236	325.2	346.2	366.6	383.4	401.3	420.8	433.6	446.0	459.4	469.4	484.0	494.7	505.9	513.9
237	292.9	311.5	329.8	349.1	369.6	391.7	412.9	432.4	454.8	478.9	504.6	528.6	552.8	576.9
238	293.0	312.0	326.6	344.0	364.4	386.0	407.3	427.1	450.4	476.9	506.1	530.8	556.4	586.0
239	286.0	300.0	316.9	333.3	352.5	372.9	394.5	417.0	440.0	467.1	496.3	520.2	547.9	578.2
240	255.2	264.9	274.5	286.5	299.4	320.6	342.6	357.9	376.1	395.7	417.4	441.0	466.0	494.3
241	249.2	275.6	297.7	316.1	335.2	352.4	365.4	377.5	389.2	400.9	413.5	427.3	431.5	440.8
242	163.1	152.3	142.9	134.5	126.3	119.1	112.7	107.7	113.0	119.1	92.9	90.9	91.2	89.0
243	260.4	248.0	234.1	222.2	211.2	201.5	192.8	184.5	177.2	169.7	162.0	154.5	147.6	139.6
244	487.5	463.4	438.3	417.5	397.4	378.8	361.5	345.6	332.7	318.3	306.0	295.4	286.7	278.1
245	495.6	471.7	448.5	426.2	404.9	385.1	367.4	352.5	336.9	321.5	307.5	293.9	281.8	269.5
246	398.7	410.7	419.2	421.6	422.0	421.5	419.4	419.5	416.3	413.9	411.8	411.0	408.2	403.8
247	379.9	392.5	400.9	404.2	409.9	412.9	414.6	411.2	409.4	404.3	399.0	391.4	381.9	371.4
248	365.1	366.9	367.8	366.2	363.6	360.3	355.9	351.0	347.2	342.5	335.3	328.1	320.5	317.7
249	325.3	328.7	330.4	331.5	330.7	330.1	328.4	325.3	320.5	315.6	314.2	299.0	292.6	284.3
250	321.6	342.6	361.5	375.1	387.5	394.5	389.2	380.6	368.1	348.5	314.1	284.7	268.2	253.8
251	259.3	267.8	275.4	281.2	284.8	283.6	275.6	264.2	260.7	257.8	255.9	255.5	257.8	307.1
252	524.9	558.2	589.5	621.4	654.2	686.8	717.6	747.4	778.1	808.3	838.0	867.3	895.2	921.3

Table VI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 281 Pi	R: 282 Pi	R: 283 Pi	R: 284 Pi	R: 285 Pi	R: 286 Pi	R: 287 Pi	R: 288 Pi	R: 289 Pi	R: 290 Pi	R: 291 Pi	R: 292 Pi	R: 293 Pi	R: 294 Pi
2	393.2	419.2	445.6	473.4	500.6	526.8	555.9	582.6	614.2	645.0	676.0	707.6	738.6	768.0
3	491.6	497.6	502.8	508.2	509.6	511.0	511.9	512.5	510.1	509.0	506.4	502.4	496.8	491.6
4	497.1	502.6	508.5	513.4	516.3	520.0	525.1	519.2	518.0	515.5	510.0	506.3	500.1	493.3
5	504.9	504.7	506.4	505.0	501.9	502.8	500.5	498.1	495.8	492.5	488.6	484.5	478.4	469.2
6	509.3	507.3	508.0	508.8	506.9	505.7	504.1	499.8	494.2	490.3	483.9	477.0	471.2	463.2
7	513.7	509.5	506.8	503.8	499.1	494.4	489.2	484.0	477.7	472.6	464.9	461.2	453.4	446.5
8	519.6	518.1	514.8	511.3	506.5	502.4	497.7	492.3	484.5	479.2	470.1	464.0	456.0	448.2
9	572.8	543.3	512.5	485.7	457.9	432.9	408.1	384.6	361.4	342.1	323.5	304.2	287.0	271.0
10	336.1	359.9	383.4	408.6	432.7	458.5	486.2	513.4	542.0	572.6	601.7	631.7	663.2	694.0
11	480.7	484.8	484.9	488.3	486.5	484.1	479.3	473.3	467.4	464.3	464.0	462.5	479.7	490.1
12	473.2	475.7	477.8	482.4	480.4	475.4	454.9	463.4	458.2	454.6	452.8	448.0	460.7	467.9
13	476.6	478.0	475.8	475.8	472.9	468.6	465.5	460.3	454.7	454.8	457.1	459.3	462.4	465.7
14	468.4	468.1	467.2	466.7	463.8	459.8	444.4	450.3	448.0	445.7	444.7	443.9	442.8	445.4
15	460.0	461.1	458.6	457.4	455.6	453.5	451.1	448.5	443.6	436.9	433.0	430.9	430.9	428.6
16	445.7	447.0	445.1	442.5	439.7	440.4	439.0	436.3	428.9	422.9	419.5	417.0	419.6	419.7
17	601.7	569.8	538.5	509.7	481.3	455.3	429.9	404.5	381.1	362.0	361.0	338.8	320.9	300.6
19	408.2	402.9	400.9	400.1	401.0	398.3	398.9	397.0	395.4	392.0	388.0	385.0	385.3	383.4
20	397.9	393.3	390.8	390.7	390.1	389.4	391.2	389.1	387.3	386.1	384.0	377.8	372.7	371.4
21	377.3	381.0	385.9	387.5	388.0	389.5	389.5	390.9	387.7	383.4	382.1	379.5	375.5	368.9
22	375.4	377.4	376.3	377.3	378.4	379.8	380.9	382.6	383.3	383.2	381.1	378.5	372.7	365.8
23	336.8	335.8	333.8	337.3	335.5	336.1	334.0	337.5	337.7	336.2	333.2	331.6	332.3	334.0
24	341.5	343.0	344.2	345.8	345.0	345.5	343.5	342.1	338.3	334.9	330.4	328.9	328.0	327.4
25	328.0	327.7	329.3	331.1	332.9	333.6	331.6	329.1	325.3	323.5	320.0	317.2	313.7	311.9
26	326.9	327.0	328.5	331.2	332.2	331.5	329.4	326.4	323.7	322.9	318.5	314.4	311.4	307.7
43	463.5	472.3	480.5	489.9	493.9	503.4	505.6	512.1	512.5	513.3	513.0	516.4	516.2	510.9
44	461.4	471.9	479.7	487.7	494.2	508.0	507.0	511.1	512.1	514.0	511.8	510.5	506.4	503.4
67	311.4	316.2	319.5	325.0	324.7	325.9	326.6	324.7	322.7	321.6	318.9	315.5	315.4	313.7
68	311.7	318.1	322.3	325.2	323.6	325.9	326.9	328.5	328.3	328.1	323.9	321.3	317.8	315.0
85	536.3	539.9	541.0	543.3	542.2	543.5	542.3	539.7	535.7	529.2	523.8	517.7	511.5	504.0
86	545.3	548.9	551.3	553.7	554.5	555.8	554.2	551.8	546.6	540.5	535.1	528.1	518.0	508.6
87	436.1	458.2	481.5	500.7	521.6	543.9	564.7	583.1	603.6	621.5	640.4	659.0	675.3	693.9
88	436.7	459.3	480.7	502.8	523.6	545.9	565.6	584.9	606.3	625.5	645.1	661.4	678.9	696.4
89	282.0	295.2	308.9	324.1	340.4	360.9	383.0	403.4	424.6	448.1	470.3	496.2	524.5	549.6
90	282.9	298.0	311.3	324.3	343.2	365.9	386.2	405.7	427.8	450.1	474.8	496.4	525.6	550.9
91	282.4	295.7	308.7	325.5	343.3	362.5	383.6	403.8	426.4	451.4	474.2	498.5	529.2	554.3
921	604.0	572.1	544.4	513.0	482.8	456.0	431.4	407.1	381.4	359.0	338.1	318.8	300.2	282.3

Table VI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 281	R 282	R 283	R 284	R 285	R 286	R 287	R 288	R 289	R 290	R 291	R 292	R 293	R 294
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	420.9	447.4	474.0	501.5	527.7	564.6	598.4	628.2	661.8	694.2	727.9	758.7	789.9	819.6
93	331.7	355.2	378.5	401.5	425.0	452.5	479.8	506.1	534.5	561.4	589.4	621.3	653.0	684.0
94	418.7	443.6	471.8	501.2	531.6	566.6	597.6	625.3	657.4	688.5	718.9	748.1	779.3	808.7
95	282.8	301.3	317.0	334.5	353.3	375.5	397.1	419.5	442.8	466.8	496.6	522.8	551.4	585.1
125	355.4	358.7	359.6	363.5	360.9	360.0	355.6	351.7	344.1	334.8	325.2	320.0	315.9	301.6
126	366.8	366.5	369.4	370.7	370.3	368.4	365.3	358.8	352.8	344.5	337.2	329.2	323.5	317.5
128	711.2	677.0	644.0	611.6	579.4	552.8	526.8	503.6	480.3	459.5	435.9	419.3	403.6	390.1
132	291.3	292.4	295.0	303.3	312.1	327.7	341.3	366.1	377.6	395.2	420.5	446.0	467.1	702.4
201	978.2	954.0	930.4	902.4	875.4	842.5	810.8	778.5	742.3	706.6	672.2	637.6	603.9	570.6
202	1047.2	1035.8	1022.0	1004.7	987.0	964.6	942.5	917.3	890.5	862.6	833.1	804.3	772.7	743.4
203	1067.6	1068.2	1066.1	1060.1	1053.6	1040.7	1028.4	1012.2	993.5	970.8	948.3	920.6	893.4	864.7
204	1030.2	1042.8	1055.1	1061.5	1066.8	1067.8	1067.3	1064.1	1058.1	1047.2	1036.7	1018.7	999.8	978.3
205	934.1	958.8	981.1	1002.6	1019.6	1033.9	1047.5	1057.3	1064.6	1067.6	1069.6	1065.7	1060.0	1051.8
206	818.2	848.4	878.7	905.9	933.0	957.6	980.3	1001.0	1019.3	1034.5	1047.8	1056.3	1062.0	1065.1
207	719.7	751.9	783.0	812.1	842.4	870.6	899.5	925.5	952.2	974.5	994.5	1011.6	1027.6	1039.5
208	649.6	680.9	713.4	742.3	772.2	803.6	833.3	861.2	892.0	917.1	942.1	963.9	985.0	1004.7
209	864.6	870.5	873.6	874.3	873.3	871.2	867.4	862.1	851.0	840.9	827.4	812.6	796.3	779.5
210	940.7	949.4	955.7	959.2	962.1	961.0	959.1	953.7	945.3	935.0	923.6	907.5	889.8	870.9
211	1004.3	1015.2	1025.3	1031.1	1036.8	1036.2	1036.4	1032.6	1025.9	1016.3	1004.4	988.8	969.2	950.4
212	1011.7	1022.8	1034.0	1041.0	1046.6	1046.1	1045.4	1041.9	1035.1	1024.2	1012.1	995.5	977.4	956.0
213	955.6	965.0	972.8	978.3	981.1	980.5	977.3	972.3	963.3	953.9	940.0	923.8	906.2	886.2
214	875.4	881.6	887.0	887.2	888.6	885.3	882.5	873.7	864.8	854.0	841.6	824.5	806.7	791.1
215	588.0	557.9	529.0	500.8	472.0	445.4	421.1	397.0	371.9	350.5	330.9	311.4	293.9	277.0
216	522.5	527.8	533.0	537.9	541.3	545.1	547.2	548.7	546.5	544.4	539.2	536.4	530.1	524.8
217	531.7	537.1	543.3	548.6	552.9	558.4	560.6	559.3	557.0	554.2	548.4	540.4	533.3	525.4
218	421.2	446.3	476.9	502.2	528.8	563.9	596.4	625.9	655.9	688.8	717.7	750.1	781.5	810.1
219	363.7	371.7	375.4	379.5	383.6	387.3	387.9	387.1	384.1	381.9	377.4	373.2	369.4	363.7
220	357.7	363.0	367.6	373.2	376.4	382.4	383.4	383.1	381.8	379.2	375.3	368.4	363.4	357.7
221	350.4	336.3	328.9	328.8	329.0	330.1	331.8	332.2	330.2	328.9	326.0	325.8	324.8	321.2
222	350.6	334.3	325.6	325.7	327.7	330.3	331.6	330.0	326.0	323.7	319.3	315.9	313.8	314.9
223	337.8	326.4	322.1	324.5	325.3	325.9	325.4	324.3	321.8	321.8	320.2	317.9	313.3	307.2
224	340.4	323.5	317.3	319.2	321.7	322.4	321.0	318.5	316.4	314.8	311.8	309.4	308.2	307.1
225	510.0	484.3	460.2	438.4	416.2	396.3	376.7	358.8	339.3	322.7	307.6	291.7	279.7	267.9
226	726.7	696.5	665.9	634.6	602.8	574.8	545.0	517.2	490.7	468.3	444.7	421.8	397.2	372.8
227	798.2	767.5	736.9	706.1	675.6	644.0	614.6	583.9	550.1	516.2	481.0	454.4	427.9	399.3
228	881.9	850.7	821.6	790.0	755.5	721.7	685.8	651.3	612.3	572.3	529.8	487.8	451.6	418.2

Table VI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 281 Pi	R: 282 Pi	R: 283 Pi	R: 284 Pi	R: 285 Pi	R: 286 Pi	R: 287 Pi	R: 288 Pi	R: 289 Pi	R: 290 Pi	R: 291 Pi	R: 292 Pi	R: 293 Pi	R: 294 Pi
229	513.1	544.0	573.2	603.4	634.4	667.0	697.7	728.8	762.0	794.2	824.2	853.5	880.5	907.2
230	298.0	314.8	332.2	351.3	371.1	392.2	416.5	440.7	467.3	495.4	521.2	548.1	577.2	605.1
231	662.2	662.1	661.8	659.1	656.0	653.5	648.2	641.1	633.2	623.5	613.2	605.2	592.4	582.5
232	796.3	801.5	802.2	800.8	797.3	795.6	789.7	781.5	771.3	759.6	747.2	733.1	717.8	700.9
233	796.1	798.9	800.3	799.7	797.4	792.8	787.9	779.0	769.8	758.9	746.5	730.9	714.3	699.7
234	667.9	668.6	667.7	665.4	661.3	659.9	654.2	647.9	638.6	629.2	618.2	606.6	593.7	581.6
235	351.9	371.7	378.4	385.0	391.8	396.7	402.4	403.9	404.9	404.5	401.3	398.0	390.2	387.9
236	320.0	338.8	353.1	368.2	385.6	403.0	415.1	427.1	437.9	448.9	456.8	472.4	484.3	491.3
237	288.9	306.7	324.6	346.7	366.5	385.7	408.4	428.2	450.0	470.5	494.8	517.5	545.4	568.5
238	291.3	308.1	324.6	342.6	361.7	383.6	404.5	427.6	450.5	472.7	499.2	523.9	552.7	584.8
239	281.7	298.1	315.1	332.5	351.9	373.5	396.1	416.9	441.3	466.6	494.3	519.6	548.9	581.2
240	253.5	261.6	274.3	295.2	311.0	325.9	342.0	358.3	375.6	395.3	415.9	440.2	459.9	488.2
241	255.4	279.0	296.5	314.6	328.9	343.5	352.5	363.9	371.8	381.0	394.3	405.7	407.2	418.1
242	162.4	151.8	142.1	133.6	125.0	117.4	110.6	104.8	105.0	97.9	90.3	87.8	87.7	87.4
243	260.0	246.9	234.8	223.9	213.7	203.5	193.7	184.3	173.0	165.1	157.5	152.2	145.7	139.0
244	488.7	462.3	439.3	418.0	396.5	378.0	360.4	344.4	328.9	317.6	307.3	296.7	286.5	277.6
245	490.1	466.0	443.5	422.9	402.5	383.9	366.3	347.9	329.7	314.4	299.7	287.6	279.0	271.8
246	385.7	388.9	392.2	394.9	396.2	399.2	398.5	396.4	393.7	391.3	387.5	384.5	380.4	376.4
247	363.5	373.8	380.7	384.3	386.9	390.2	389.3	384.9	381.7	376.7	371.0	368.2	356.9	343.7
248	343.7	346.1	345.4	344.8	343.0	342.1	339.1	336.1	332.2	331.6	320.7	314.8	307.3	304.5
249	347.8	349.0	349.3	348.6	346.7	345.0	342.5	338.6	334.8	331.5	323.8	312.8	307.9	301.3
250	287.5	312.2	336.8	354.3	367.3	376.3	379.4	370.6	361.4	347.2	321.4	287.7	258.2	243.1
251	245.8	255.3	262.6	268.9	271.5	272.0	265.6	256.2	248.8	246.4	245.0	242.4	241.4	334.9
252	525.5	558.0	590.9	622.6	654.0	688.5	722.0	752.5	786.0	818.2	847.8	876.8	903.2	928.6

Table VII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 219	R: 220	R: 221	R: 222	R: 223	R: 224	R: 225	R: 226	R: 227	R: 228	R: 229	R: 230	R: 231	R: 232	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	396.2	422.0	448.2	475.7	504.7	530.2	557.8	586.7	614.0	643.5	674.4	706.3	738.9	768.4	
3	468.8	476.1	479.5	483.1	488.2	489.6	490.0	489.2	487.2	484.0	478.6	474.2	466.8	456.7	
4	528.6	535.4	540.1	544.7	549.1	550.3	553.0	553.7	551.3	550.2	546.5	542.6	535.9	528.3	
5	478.7	481.5	483.0	482.8	481.4	480.0	479.6	475.9	474.0	469.4	462.0	453.9	448.0	439.4	
6	540.2	542.1	541.3	540.6	540.8	537.4	535.0	532.5	528.6	523.7	518.6	511.6	503.7	494.7	
7	486.8	486.5	485.6	482.8	479.1	474.2	468.3	464.1	456.1	449.7	442.0	433.1	426.9	418.7	
8	553.0	550.4	547.5	544.2	539.6	533.8	528.9	524.5	517.4	512.0	502.5	494.5	487.3	476.5	
9	575.5	546.0	518.7	491.5	462.9	436.6	412.8	390.1	369.7	348.5	327.2	308.2	290.3	275.1	
10	342.0	361.5	384.3	406.1	432.1	457.5	486.4	512.2	542.2	569.7	599.9	630.7	662.5	693.8	
11	451.9	454.0	455.8	457.7	455.6	451.4	445.4	438.8	434.6	430.2	425.6	424.1	426.2	438.3	
12	504.2	505.0	509.2	514.6	510.5	505.3	499.2	495.2	489.5	486.1	483.5	482.4	485.8	501.2	
13	443.9	445.5	446.7	446.6	442.6	439.8	435.9	431.0	425.0	420.7	417.5	419.7	423.8	427.1	
14	498.7	497.5	497.8	496.2	494.0	488.3	483.6	480.0	478.0	475.6	476.1	475.1	474.5	474.0	
15	429.0	429.1	430.6	428.4	427.5	425.0	422.1	418.8	418.4	409.9	401.1	394.3	398.3	400.2	
16	476.2	475.6	473.2	473.2	472.1	469.6	465.6	459.7	453.1	449.0	448.3	450.2	449.0	445.6	
17	602.7	572.9	541.9	511.7	484.7	458.9	433.2	407.9	391.5	378.1	355.9	335.3	315.5	294.2	
19	394.8	388.0	385.0	383.8	381.6	382.0	380.0	378.5	377.5	374.5	370.0	363.2	357.9	356.0	
20	419.7	418.1	417.4	416.3	415.7	412.3	411.7	413.0	411.5	411.1	408.8	401.8	396.7	391.7	
21	359.9	362.4	361.6	363.5	364.6	364.6	363.9	364.8	364.3	360.0	359.2	357.9	351.9	343.2	
22	393.6	395.1	395.1	396.1	396.7	396.4	397.1	400.6	402.1	403.3	402.0	404.9	401.2	402.6	
23	311.0	312.4	314.8	317.8	319.9	320.2	317.4	322.5	320.1	314.3	308.1	302.3	304.3	304.8	
24	360.4	359.2	358.5	357.0	356.9	358.4	358.3	360.4	357.3	353.4	349.7	348.6	349.2	349.0	
25	318.6	316.9	318.4	319.9	322.0	320.2	318.7	317.4	314.4	313.5	309.7	302.7	296.6	295.7	
26	342.3	343.4	343.5	344.5	345.3	343.9	341.3	339.7	338.3	339.2	336.1	333.1	331.0	327.7	
43	436.6	442.6	451.3	459.6	463.3	472.0	473.6	472.4	476.2	474.1	472.5	467.0	460.4	456.3	
44	489.9	497.3	506.3	513.8	520.1	525.4	530.4	534.4	536.8	538.5	539.9	540.4	539.6	538.5	
67	302.9	305.6	311.2	313.8	312.4	313.6	312.6	311.2	312.0	310.1	305.5	299.3	296.5	295.9	
68	330.4	333.7	336.0	338.2	339.4	341.8	341.0	342.5	344.4	344.9	341.7	339.7	336.6	334.3	
85	511.4	514.5	516.9	518.1	518.5	517.8	517.0	514.0	511.4	504.2	496.2	490.0	481.1	469.7	
86	535.4	551.1	566.5	584.3	598.1	612.2	624.4	635.4	644.1	652.3	660.1	665.1	669.5	671.9	
87	423.9	447.9	468.1	490.4	511.5	530.2	548.0	564.5	581.8	600.0	616.4	632.6	647.8	663.6	
88	450.2	473.3	496.6	518.1	541.9	562.5	584.0	604.7	625.6	646.2	667.9	686.8	705.6	723.5	
89	280.9	292.5	306.5	324.5	337.5	359.7	379.2	399.5	420.0	443.7	461.7	483.1	515.5	538.4	
90	277.9	294.1	307.6	327.1	346.3	365.9	386.9	407.2	428.8	450.2	472.6	498.0	528.0	554.5	
91	281.7	292.8	306.2	321.5	340.2	358.7	381.1	402.7	426.1	445.9	469.9	493.9	524.2	549.8	
921	605.2	574.2	545.4	512.4	483.2	455.6	431.7	409.3	388.0	367.1	343.8	322.9	303.1	283.5	

Table VII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 219 Pi	R: 220 Pi	R: 221 Pi	R: 222 Pi	R: 223 Pi	R: 224 Pi	R: 225 Pi	R: 226 Pi	R: 227 Pi	R: 228 Pi	R: 229 Pi	R: 230 Pi	R: 231 Pi	R: 232 Pi
922	423.8	452.3	478.8	507.0	534.4	568.2	599.2	627.9	658.3	690.6	722.4	753.2	785.7	816.9
93	335.4	356.1	378.5	401.0	426.5	453.7	479.4	505.4	532.1	559.3	589.6	619.4	650.6	682.4
94	422.4	450.7	479.2	507.1	538.7	571.2	602.0	631.7	658.7	688.9	720.7	749.5	780.3	813.4
95	283.0	300.5	317.1	336.2	355.7	376.1	397.9	419.2	441.0	465.3	497.2	522.4	553.3	580.2
125	336.0	341.2	342.8	344.8	345.7	345.3	341.8	336.0	330.8	323.6	315.4	308.3	300.2	285.9
126	390.3	387.8	386.2	385.0	384.2	383.2	382.0	377.4	371.7	364.9	356.0	348.3	343.0	335.5
128	713.2	677.8	643.7	610.8	580.1	553.6	528.4	504.8	483.2	463.8	444.7	428.5	411.8	397.9
132	286.6	289.0	294.1	302.4	312.1	324.8	337.8	362.9	373.9	391.3	411.3	434.0	678.0	698.9
201	976.2	950.8	924.9	898.3	870.3	841.2	810.1	777.2	744.6	709.2	675.2	637.8	604.9	570.3
202	1043.7	1030.2	1014.4	998.7	980.8	960.4	938.3	914.3	889.7	861.7	834.2	803.8	773.9	744.7
203	1063.8	1062.1	1058.4	1052.9	1045.0	1035.8	1022.7	1005.9	988.2	969.0	945.6	920.1	895.3	865.4
204	1026.2	1039.8	1047.3	1054.4	1059.9	1061.5	1059.8	1056.6	1050.4	1042.5	1031.6	1016.9	999.4	977.2
205	934.2	957.1	978.4	996.4	1014.2	1028.5	1041.0	1048.4	1056.0	1061.6	1064.1	1062.6	1057.8	1049.8
206	818.5	848.6	876.8	903.4	928.9	953.5	975.6	994.6	1011.9	1028.1	1041.4	1052.7	1058.8	1062.5
207	720.6	753.6	783.7	812.2	841.9	870.5	896.9	920.3	943.9	967.8	990.4	1007.7	1023.2	1036.6
208	654.1	685.8	714.3	745.7	774.8	802.3	831.1	858.0	883.7	911.1	936.3	960.6	980.5	1000.0
209	835.7	841.9	844.1	847.7	844.9	842.5	838.2	831.1	822.2	812.8	798.7	786.1	770.7	753.7
210	915.9	924.3	930.8	934.5	935.7	935.8	933.2	926.4	921.3	910.2	897.1	883.6	868.6	850.4
211	988.4	999.3	1008.6	1013.6	1017.8	1020.6	1017.7	1013.8	1006.9	998.9	988.4	974.0	957.8	937.8
212	1019.8	1030.0	1039.7	1045.9	1050.8	1051.0	1050.2	1045.7	1040.2	1031.9	1020.7	1005.8	988.4	966.4
213	975.2	984.0	992.2	996.2	998.7	997.3	995.2	989.6	982.4	973.8	959.3	945.4	929.3	908.1
214	904.1	909.1	913.5	915.9	915.3	912.0	907.8	902.5	892.8	882.3	869.4	854.8	838.3	817.2
215	592.0	560.8	531.2	501.4	472.8	447.6	422.7	401.2	379.7	358.6	337.1	315.4	297.4	280.3
216	496.8	505.3	512.3	516.0	519.4	521.7	521.8	524.8	521.0	517.9	513.9	506.8	502.2	492.9
217	563.2	570.5	576.3	582.8	588.0	588.5	590.9	592.6	591.2	589.2	583.4	577.8	571.5	559.6
218	422.3	449.8	476.9	503.4	533.7	566.2	596.0	625.1	654.6	686.9	715.0	746.3	777.1	807.9
219	344.8	349.2	351.7	355.4	360.5	362.4	362.0	360.2	357.6	354.2	352.4	348.4	340.5	334.9
220	378.7	380.8	385.1	389.2	394.3	398.7	402.2	402.2	401.7	400.5	401.4	397.0	391.4	391.9
221	341.5	330.0	321.4	319.5	320.2	321.2	322.7	320.5	318.1	313.6	311.2	308.2	305.4	301.9
222	369.9	350.9	342.7	343.1	343.7	343.1	345.1	345.2	344.1	342.3	339.9	337.8	336.3	335.0
223	327.0	318.0	314.2	313.1	314.5	313.2	311.2	311.0	309.4	307.3	302.9	298.9	292.7	291.1
224	353.7	337.6	332.7	335.6	339.2	338.1	338.3	337.9	338.0	336.6	335.5	332.3	330.1	326.1
225	512.7	485.0	458.9	436.3	414.5	393.2	374.8	357.1	339.9	321.7	306.8	294.3	283.4	271.5
226	729.1	697.7	665.8	636.5	606.8	575.9	546.5	515.5	492.3	470.3	449.0	425.7	402.2	374.6
227	798.0	767.8	738.1	707.0	676.1	646.0	616.8	584.2	554.2	519.9	485.0	461.9	434.2	403.4
228	879.9	850.0	818.8	788.7	755.3	722.1	686.9	649.9	617.0	578.0	536.1	494.1	453.8	420.8

Table VII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 219	R: 220	R: 221	R: 222	R: 223	R: 224	R: 225	R: 226	R: 227	R: 228	R: 229	R: 230	R: 231	R: 232
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	515.4	546.8	575.6	607.2	636.9	668.7	697.2	727.0	758.5	788.6	818.8	847.9	876.2	903.5
230	298.0	313.4	331.2	351.0	371.6	392.3	414.9	441.4	465.4	489.0	516.6	543.1	577.0	604.2
231	634.2	633.9	632.5	631.6	630.5	622.6	619.6	612.3	605.1	595.3	586.4	573.9	563.2	553.0
232	769.9	772.3	773.1	772.9	771.2	765.8	760.2	751.9	742.5	732.0	719.6	706.7	691.6	675.9
233	828.3	830.8	831.8	831.5	829.9	823.5	818.3	809.9	801.0	790.5	778.0	763.6	747.8	733.0
234	704.9	703.3	704.0	702.3	698.2	693.2	688.9	680.4	671.5	661.6	653.1	641.3	626.9	613.8
235	337.1	353.9	363.5	370.5	375.9	380.3	380.7	381.3	380.6	374.5	368.7	363.9	358.5	356.8
236	314.7	330.2	344.5	358.5	376.4	388.1	397.4	405.2	415.8	422.0	431.4	442.4	450.4	454.7
237	287.6	307.0	325.7	342.1	359.1	378.1	397.8	417.4	434.0	454.5	483.8	504.3	523.3	550.4
238	287.0	303.9	319.5	337.7	355.8	374.8	393.6	415.1	436.7	457.9	490.4	513.9	545.7	570.5
239	279.0	296.5	313.6	331.0	351.0	370.6	392.6	414.8	435.4	461.1	492.2	520.0	547.4	576.3
240	264.5	275.5	286.7	299.4	312.6	327.3	341.3	358.6	376.6	393.2	414.5	433.8	455.1	484.8
241	265.6	283.1	297.3	311.5	325.2	333.4	342.0	350.9	360.9	365.8	370.2	373.8	382.1	392.0
242	162.5	152.3	143.1	134.2	126.7	118.4	111.6	106.0	108.1	105.3	93.3	93.2	95.0	94.9
243	259.9	246.2	231.7	219.6	209.8	200.4	191.9	184.6	177.5	170.8	162.1	154.8	148.0	141.0
244	486.1	462.1	439.1	417.3	396.4	377.3	359.9	343.6	330.3	315.7	302.8	292.8	283.0	275.6
245	497.1	471.8	447.5	425.5	404.3	384.7	365.6	350.3	333.9	319.8	305.5	293.2	279.8	267.6
246	365.9	360.9	369.2	375.9	375.3	374.5	373.7	373.5	372.7	372.2	368.2	364.0	360.0	352.6
247	343.2	350.6	358.3	364.2	368.0	368.4	364.8	360.5	355.8	348.0	341.9	335.5	327.0	312.6
248	324.3	325.7	329.0	329.0	329.0	328.2	325.8	323.1	318.9	314.6	305.8	298.9	293.9	289.9
249	364.1	364.9	364.6	365.0	363.7	361.7	361.7	356.5	350.3	346.7	339.1	326.9	323.5	320.1
250	256.4	290.6	308.3	331.0	350.2	359.5	366.0	364.2	356.8	344.9	327.2	302.5	268.3	237.1
251	234.5	243.1	251.6	260.3	264.7	262.2	258.6	247.0	237.9	233.1	229.4	227.8	225.2	391.2
252	530.1	562.5	596.4	626.8	660.8	691.3	722.4	750.7	782.1	813.8	842.6	871.6	899.0	927.1

Table VIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 234 Pi	R: 235 Pi	R: 236 Pi	R: 237 Pi	R: 238 Pi	R: 239 Pi	R: 240 Pi	R: 241 Pi	R: 242 Pi	R: 243 Pi	R: 244 Pi	R: 245 Pi	R: 246 Pi	
2	424.2	449.8	476.4	503.8	531.0	558.7	584.4	612.9	644.4	677.0	706.0	736.4	766.5	
3	420.0	426.2	433.8	432.3	438.1	435.6	432.8	428.1	427.1	419.6	413.3	403.3	392.3	
4	596.8	602.4	609.3	613.8	620.0	622.3	622.2	621.5	618.9	617.2	614.9	609.4	600.5	
5	424.0	425.8	427.5	427.5	426.6	424.2	420.9	418.7	413.5	404.8	401.8	394.6	383.3	
6	606.3	605.8	606.2	604.1	604.7	604.4	599.1	593.1	587.9	582.2	573.2	569.3	560.8	
7	432.7	429.2	427.6	423.7	420.0	415.5	409.9	404.1	400.3	392.4	388.5	380.4	368.9	
8	614.3	606.3	606.1	602.1	600.0	594.0	585.7	578.5	571.8	566.0	556.8	550.4	540.0	
9	543.4	515.0	488.6	460.7	436.0	412.3	386.7	362.6	341.8	322.0	300.7	281.5	265.9	
10	365.0	388.5	412.5	435.9	464.6	492.4	517.9	543.3	572.2	601.5	628.4	661.5	691.9	
11	408.9	411.1	410.0	406.0	402.2	394.8	388.3	381.1	378.7	374.3	371.0	366.7	368.3	
12	585.3	584.6	584.5	581.2	576.7	571.7	566.1	559.1	558.1	551.3	540.2	535.2	525.0	
13	400.5	401.4	399.1	393.9	393.1	387.6	386.2	381.4	378.3	371.6	366.7	367.1	362.7	
14	572.4	571.0	566.3	563.0	559.6	557.2	551.2	546.6	542.8	538.5	530.0	521.7	511.4	
15	386.3	389.3	385.7	384.2	380.0	376.1	372.7	368.8	366.7	360.6	353.5	348.4	341.0	
16	553.7	553.0	547.0	542.7	537.2	534.5	529.8	520.5	517.0	510.2	498.7	489.1	477.6	
17	557.3	528.4	500.8	474.8	450.8	426.2	402.0	378.7	356.9	336.4	315.6	298.8	283.0	
19	348.1	342.4	341.7	340.2	339.6	339.4	336.2	332.4	328.6	323.2	319.0	315.0	312.5	
20	472.8	464.8	465.0	463.6	462.8	463.4	461.8	461.5	460.2	463.4	458.0	451.3	446.9	
21	335.0	337.1	338.6	339.4	339.5	336.7	335.3	330.0	327.6	324.4	317.7	310.7	306.3	
22	445.6	444.9	443.5	442.7	442.4	440.8	440.9	444.8	446.9	449.8	452.7	453.2	451.7	
23	289.8	295.0	299.5	300.5	303.6	299.3	301.6	297.1	290.2	282.8	278.3	273.9	273.5	
24	396.2	396.3	397.9	399.0	398.1	396.9	397.6	395.1	391.9	390.3	390.3	390.6	393.6	
25	299.1	299.9	299.4	301.1	299.1	298.4	293.0	289.5	286.7	281.5	275.1	267.8	267.5	
26	379.1	377.5	377.5	377.6	377.8	377.5	375.4	374.8	374.4	372.2	372.4	374.4	370.1	
43	398.4	403.7	405.4	408.9	409.5	411.1	412.2	410.1	405.7	399.5	394.6	388.1	379.1	
44	548.8	553.1	552.7	555.3	557.7	557.8	558.1	560.6	565.0	570.2	574.2	576.5	579.7	
67	285.9	290.4	291.9	292.5	292.4	289.8	284.4	283.8	281.6	274.1	267.7	261.1	287.0	
68	368.5	369.8	373.2	374.8	379.7	379.8	380.9	382.6	384.3	384.5	387.2	385.9	384.1	
85	456.3	458.5	461.3	461.1	461.4	458.5	452.9	448.1	444.0	436.5	429.4	417.0	404.7	
86	607.1	623.1	642.0	657.7	673.3	687.5	698.2	707.1	719.2	726.7	730.1	739.0	741.9	
87	417.8	434.8	454.2	471.8	493.4	506.0	523.5	537.7	554.0	565.6	579.5	596.4	607.1	
88	506.4	530.3	552.5	577.0	603.2	628.4	648.4	671.6	692.7	716.4	734.8	757.8	777.0	
89	295.4	307.8	322.0	340.0	356.6	374.5	392.7	410.5	428.5	450.2	472.1	505.9	527.7	
90	297.6	315.0	334.7	355.3	377.1	395.4	415.3	442.3	462.9	486.5	512.2	546.2	572.4	
91	297.1	313.1	330.9	346.9	365.7	384.3	405.9	428.5	449.4	469.4	499.2	529.9	556.1	
921	573.1	542.0	511.8	487.6	461.9	433.6	407.5	385.1	361.8	339.8	318.1	298.8	278.6	

Table VIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 234	R: 235	R: 236	R: 237	R: 238	R: 239	R: 240	R: 241	R: 242	R: 243	R: 244	R: 245	R: 246
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	455.5	481.8	507.6	538.2	572.1	599.3	631.0	660.6	690.6	721.4	752.6	784.1	813.5
93	358.9	383.0	404.1	431.1	458.7	483.8	507.8	535.2	562.6	591.6	618.3	650.9	681.2
94	459.6	486.5	513.2	547.7	580.3	607.1	637.5	665.9	697.6	727.4	754.6	786.0	816.4
95	302.1	319.3	337.3	356.5	376.8	397.6	419.7	441.7	476.6	502.4	528.9	554.9	587.8
125	303.7	310.4	314.2	317.3	318.6	316.3	312.3	307.3	301.4	297.2	288.7	278.7	261.0
126	440.0	438.5	437.2	434.8	430.9	424.3	416.7	407.6	399.9	393.6	386.2	380.7	374.1
128	676.0	639.8	606.5	576.8	549.1	522.1	497.3	477.9	459.8	444.7	427.0	410.0	393.8
132	285.9	291.6	300.5	311.7	324.3	339.2	362.0	369.6	389.5	405.0	431.1	678.4	673.0
201	942.7	920.0	894.0	867.5	838.6	806.8	772.9	736.7	701.4	667.0	631.8	597.6	561.0
202	1020.9	1011.0	994.1	977.3	956.4	935.2	909.8	883.3	855.4	827.4	794.6	767.5	733.6
203	1055.5	1054.8	1050.2	1042.2	1033.9	1019.2	1002.6	982.9	962.0	938.5	911.1	885.1	856.5
204	1032.5	1043.5	1051.1	1056.6	1061.4	1061.8	1053.2	1045.8	1035.6	1022.0	1005.9	988.9	969.3
205	953.5	976.2	994.5	1012.6	1029.0	1041.4	1047.7	1052.2	1055.7	1055.2	1052.8	1048.6	1041.0
206	844.2	874.3	902.3	927.7	953.1	975.6	990.6	1007.8	1021.7	1034.0	1043.1	1051.4	1054.9
207	751.9	786.0	813.2	842.8	871.2	897.0	918.7	944.2	962.2	983.0	1003.8	1018.6	1030.1
208	685.7	714.5	743.9	774.2	806.0	833.3	859.6	884.2	910.8	934.0	956.0	977.6	993.7
209	780.4	784.3	789.5	788.1	785.8	778.5	770.3	760.1	750.2	737.4	726.1	708.0	689.7
210	873.8	882.9	885.6	889.3	889.1	883.9	878.1	869.6	859.5	845.4	832.0	816.9	796.6
211	968.8	977.8	984.8	991.3	995.8	991.1	984.5	977.2	968.1	954.4	938.7	922.6	903.2
212	1050.3	1059.7	1066.2	1072.3	1076.3	1074.4	1067.5	1059.4	1049.6	1036.3	1019.5	1001.3	981.7
213	1024.4	1032.3	1036.5	1040.5	1043.4	1038.8	1029.6	1022.9	1011.8	999.4	983.0	965.1	944.6
214	967.4	970.1	973.0	974.1	973.0	969.4	960.0	949.8	936.6	925.2	910.7	891.4	873.2
215	550.6	520.9	497.6	472.0	446.6	423.1	399.8	377.1	353.8	332.1	312.0	291.7	273.4
216	448.2	453.6	459.3	461.4	465.4	463.5	462.0	458.5	457.0	448.8	442.6	436.2	426.6
217	635.1	636.5	646.8	652.1	659.5	660.7	658.5	657.7	656.2	653.9	647.3	643.3	633.3
218	447.8	473.5	500.0	532.4	566.0	592.8	621.9	651.6	679.9	709.2	740.1	767.8	794.9
219	326.9	331.4	333.0	335.1	334.6	333.1	327.8	322.4	320.4	312.7	304.7	297.3	292.0
220	427.6	428.4	430.9	436.1	439.3	447.1	448.9	449.7	450.7	453.9	450.5	446.5	441.3
221	309.6	299.4	296.1	296.2	297.5	296.7	292.8	289.7	285.1	280.9	274.7	267.2	396.4
222	383.6	378.6	379.4	379.8	379.4	383.5	382.2	381.6	380.2	378.5	377.3	376.5	374.4
223	300.5	292.3	290.2	290.7	289.6	286.1	282.8	280.0	271.7	263.9	255.6	251.3	396.9
224	368.6	364.1	366.7	371.0	371.6	371.9	373.0	374.2	375.3	374.0	375.1	373.7	375.9
225	487.0	462.2	436.6	412.9	391.2	370.2	350.4	333.1	317.1	302.7	288.3	275.7	263.6
226	695.7	667.8	635.8	605.4	576.5	547.5	517.4	492.3	468.1	442.5	419.2	393.6	368.2
227	763.1	735.4	704.7	675.2	647.5	615.1	579.5	548.5	516.4	484.4	459.7	434.0	402.4
228	846.6	815.6	786.0	754.4	720.4	685.1	647.5	610.3	572.9	534.2	490.6	450.9	418.2

Table VIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 234	R: 235	R: 236	R: 237	R: 238	R: 239	R: 240	R: 241	R: 242	R: 243	R: 244	R: 245	R: 246
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	546.3	578.1	606.0	638.1	671.5	700.0	727.0	758.0	792.3	817.7	845.2	871.8	898.5
230	310.0	327.3	350.0	368.9	390.9	413.4	437.0	462.8	487.8	512.3	549.3	575.5	603.8
231	566.3	569.3	567.4	564.7	559.9	555.5	546.4	537.6	530.8	523.0	511.7	499.3	490.5
232	711.9	714.9	713.4	712.3	707.9	700.7	689.5	682.0	669.3	658.3	642.2	628.2	613.2
233	893.6	893.4	894.6	892.2	891.6	884.9	873.6	863.7	852.9	839.1	825.7	808.6	790.5
234	775.6	773.4	769.1	768.8	763.4	756.0	748.6	739.7	730.1	721.1	709.0	693.3	677.4
235	336.6	336.9	338.5	339.4	340.6	340.0	335.0	326.0	318.1	317.0	309.4	300.0	280.7
236	317.0	328.0	339.6	348.0	356.9	362.1	367.7	372.9	384.3	386.3	384.4	389.6	401.0
237	303.9	317.7	332.5	348.8	365.3	379.1	395.5	418.3	441.7	462.9	483.1	505.4	534.9
238	297.6	313.6	330.5	348.9	368.2	388.4	409.3	429.4	460.9	486.7	508.0	533.7	565.2
239	299.7	317.0	333.2	352.8	374.2	394.1	413.9	439.7	470.8	494.5	522.1	547.0	579.7
240	263.0	271.8	283.5	297.1	311.3	326.3	342.2	362.5	385.7	407.0	430.1	454.9	596.9
241	284.4	294.5	303.5	307.9	314.9	320.7	320.3	319.2	316.9	319.9	324.4	327.3	544.6
242	139.2	129.8	122.6	117.5	113.9	112.2	110.7	109.9	110.6	105.2	102.7	101.4	148.2
243	242.0	230.8	221.1	209.9	200.3	189.7	180.5	172.5	164.5	157.2	149.4	141.6	135.8
244	457.6	434.3	411.0	391.8	375.4	356.5	339.7	323.1	309.5	296.6	283.6	274.3	268.4
245	465.8	441.7	421.8	402.4	384.1	363.6	346.9	330.2	315.2	300.3	286.1	274.1	264.2
246	324.1	324.9	334.7	337.2	337.8	336.2	335.5	333.6	327.6	321.8	318.1	315.5	310.9
247	326.6	329.6	335.8	336.4	330.6	325.8	319.2	312.0	305.5	297.6	284.7	266.4	241.2
248	302.0	305.6	308.5	309.1	309.0	307.1	305.0	299.0	293.0	285.7	278.0	270.5	262.3
249	402.0	401.2	401.4	400.4	400.2	395.5	390.5	386.0	381.0	375.1	366.3	363.2	358.9
250	215.4	252.5	281.1	300.1	321.3	329.0	333.1	335.9	333.0	324.3	302.7	291.1	413.3
251	280.4	232.9	238.6	241.0	241.5	239.3	229.9	217.5	209.7	205.5	200.3	364.5	323.0
252	567.3	599.3	628.4	663.0	694.5	725.6	750.5	782.0	813.1	842.3	868.6	896.1	922.1

Table IX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 296	R: 297	R: 298	R: 299	R: 300	R: 301	R: 302	R: 303	R: 304	R: 305	R: 306	R: 307	R: 308	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	551.5	551.9	552.1	554.3	555.8	556.4	555.8	556.8	557.3	556.9	559.3	558.4	556.6	
3	601.6	572.6	556.3	542.6	527.2	521.2	514.3	510.0	505.9	491.9	478.6	463.0	436.6	
4	440.4	466.4	478.2	493.0	509.0	518.7	525.4	530.9	536.7	552.5	568.1	586.7	617.4	
5	590.9	562.5	547.5	531.1	517.0	510.0	504.2	497.5	493.0	481.2	466.1	450.1	424.6	
6	428.8	455.1	464.9	476.7	492.1	497.4	504.7	509.9	517.4	534.6	548.8	567.7	597.8	
7	574.9	548.2	531.9	519.4	504.6	498.4	491.8	487.9	483.8	470.6	454.1	440.8	416.0	
8	422.7	448.1	458.6	470.2	485.3	491.6	498.4	503.5	512.0	526.6	545.3	559.4	588.7	
9	409.6	409.9	411.3	412.6	410.7	410.5	410.3	412.2	413.0	414.4	412.9	411.1	408.5	
10	483.4	483.6	482.3	484.7	487.3	489.2	487.9	487.5	488.2	487.9	486.4	487.0	489.3	
11	568.3	535.1	522.0	507.1	493.2	487.7	481.2	473.2	467.2	450.7	434.4	423.3	396.8	
12	391.7	418.8	429.6	439.3	444.4	449.3	454.9	464.7	481.5	497.2	514.9	527.7	566.7	
13	553.4	519.5	505.8	491.5	476.9	473.3	467.2	461.4	455.0	438.6	423.5	413.7	389.2	
14	387.5	410.4	419.9	429.2	436.0	440.8	444.1	449.8	461.9	480.6	498.1	513.2	551.4	
15	535.9	501.6	490.3	476.0	463.4	460.8	456.3	448.9	440.4	422.1	406.8	401.3	377.4	
16	364.3	387.5	400.3	411.7	425.2	434.0	440.1	444.6	450.7	466.8	480.0	491.7	529.2	
17	419.8	429.5	430.1	432.2	432.4	431.5	432.2	432.6	433.4	434.5	433.7	430.6	424.3	
19	467.6	444.6	433.0	423.4	411.8	403.5	399.1	392.4	387.4	382.0	369.9	358.6	336.7	
20	338.4	351.4	361.7	374.1	381.9	385.3	391.3	394.3	400.3	413.3	424.0	435.5	460.2	
21	445.5	432.7	418.3	405.2	393.3	394.9	390.4	384.2	376.8	365.3	357.7	349.4	338.0	
22	330.2	349.1	355.6	361.4	369.7	375.4	381.0	386.5	389.6	397.4	406.3	420.5	438.2	
23	407.3	379.9	367.5	359.0	345.5	339.4	336.3	334.5	332.1	324.9	317.4	316.6	301.0	
24	310.3	315.5	322.9	332.0	338.5	341.6	343.9	347.2	350.7	363.7	371.6	378.5	400.2	
25	382.2	364.9	353.2	345.6	340.5	336.7	332.9	327.8	324.8	320.9	314.8	310.2	297.5	
26	290.8	308.6	308.9	313.2	320.5	325.3	329.9	332.8	335.9	342.1	350.8	361.0	376.7	
43	590.3	569.5	553.9	540.6	523.1	514.3	508.8	503.5	494.1	479.7	454.8	444.2	412.8	
44	419.1	448.6	460.4	474.6	493.7	501.1	506.9	514.6	520.3	530.1	536.6	543.0	553.0	
67	378.5	360.9	350.1	341.6	334.9	329.1	326.4	324.0	319.0	314.1	309.6	301.7	288.8	
68	289.9	306.3	306.1	312.3	319.8	324.4	327.9	331.3	335.7	339.4	347.4	360.2	376.4	
85	633.8	602.3	588.5	574.5	559.4	552.1	544.0	537.0	532.8	520.0	503.9	484.4	457.4	
86	475.0	498.3	508.2	524.7	540.2	547.6	554.9	561.6	569.8	582.5	599.0	614.3	647.2	
87	617.6	598.3	589.5	583.3	574.0	570.5	565.6	563.0	560.7	549.6	538.8	525.0	507.4	
88	509.7	527.1	536.1	546.4	557.4	560.5	565.5	569.7	574.9	584.7	594.1	605.9	625.0	
89	394.5	391.6	391.4	389.2	386.6	383.1	383.3	381.9	381.6	383.5	379.8	378.0	373.9	
90	369.5	376.3	378.5	384.6	387.5	388.3	386.1	385.9	385.6	388.8	390.9	392.3	394.5	
91	381.7	381.7	385.7	386.5	384.5	385.4	384.3	384.2	383.2	382.4	384.0	384.9	386.2	
921	428.5	431.3	431.4	430.5	430.5	432.5	433.7	434.9	434.6	436.5	435.7	435.0	434.2	

Table IX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 296	R: 297	R: 298	R: 299	R: 300	R: 301	R: 302	R: 303	R: 304	R: 305	R: 306	R: 307	R: 308
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	590.3	591.7	592.6	594.1	596.5	597.0	598.7	600.1	600.5	601.8	603.3	600.9	604.9
93	473.5	475.3	475.0	476.2	480.2	480.5	479.6	480.1	479.9	479.6	480.0	482.1	482.8
94	586.0	588.5	591.0	594.8	596.4	597.6	597.8	599.9	600.2	602.8	603.8	605.9	605.8
95	391.9	394.0	396.2	394.4	395.8	396.9	396.3	398.2	398.9	399.0	398.5	397.4	398.7
125	416.6	399.6	386.2	373.6	368.1	362.4	358.1	352.7	348.4	342.4	333.2	327.5	317.0
126	324.9	333.7	343.7	349.0	357.2	360.5	365.2	369.7	372.7	381.8	390.1	399.8	422.5
128	536.6	528.7	526.7	528.9	530.4	529.0	528.2	526.7	528.1	530.7	520.7	510.6	521.1
132	337.9	338.9	341.7	344.6	345.5	346.4	345.2	343.3	342.7	342.7	345.2	345.5	343.9
201	805.6	810.5	813.3	812.1	811.2	811.9	812.4	811.7	811.4	811.4	811.5	810.1	803.6
202	931.7	940.0	943.0	942.3	942.1	942.1	942.7	942.8	941.9	940.8	939.6	938.9	932.6
203	1014.8	1023.9	1028.4	1026.4	1027.9	1027.6	1027.2	1027.8	1028.9	1025.2	1025.3	1022.2	1017.4
204	1054.1	1063.7	1067.4	1066.5	1066.5	1066.0	1067.0	1067.4	1067.5	1062.6	1064.2	1060.4	1056.5
205	1033.0	1042.0	1045.7	1044.4	1046.7	1047.5	1046.4	1046.2	1047.0	1043.4	1044.4	1040.7	1037.4
206	966.9	975.8	978.1	977.7	980.5	980.1	979.5	979.0	980.5	977.9	977.7	974.4	972.4
207	886.6	893.6	897.8	895.7	899.3	899.0	899.6	897.9	898.8	897.7	898.4	898.2	894.5
208	822.7	827.9	830.9	831.2	834.1	833.4	833.7	833.1	835.7	833.5	834.2	831.8	831.9
209	946.4	922.7	912.3	897.0	881.7	876.3	870.1	862.8	854.9	842.0	827.2	811.9	778.0
210	1016.7	1001.8	994.4	980.6	970.0	965.5	961.4	954.8	947.6	935.3	923.5	913.4	884.4
211	1060.3	1057.0	1055.2	1047.9	1041.4	1039.1	1035.8	1033.3	1029.9	1020.8	1014.9	1007.6	988.7
212	996.1	1017.0	1027.4	1031.6	1038.4	1040.9	1044.8	1047.8	1051.3	1053.0	1059.1	1061.5	1070.6
213	900.8	928.7	943.8	953.6	965.7	970.3	976.0	982.5	986.0	996.8	1007.2	1015.4	1035.7
214	788.2	817.7	837.9	850.4	867.1	872.2	880.1	886.2	895.5	909.7	922.9	935.5	964.9
215	423.9	424.9	423.9	421.6	422.0	422.7	423.2	423.2	423.8	425.7	423.5	422.1	422.6
216	638.8	608.8	593.6	580.0	565.8	559.0	551.5	544.4	539.5	525.2	507.2	490.2	463.8
217	484.1	498.8	513.6	527.5	543.5	555.9	561.4	566.1	573.1	581.4	594.0	608.6	633.6
218	597.1	595.3	596.0	596.3	596.5	595.8	597.2	595.7	597.0	597.5	594.8	595.0	590.8
219	449.3	433.7	420.1	408.8	394.9	393.2	389.9	384.6	377.7	365.3	358.9	348.5	334.9
220	328.8	349.1	355.1	361.3	372.6	378.6	384.2	390.1	393.4	401.1	411.7	426.4	445.9
221	385.1	363.9	356.3	347.7	340.3	336.4	332.8	332.0	330.8	322.5	316.7	309.9	296.3
222	294.8	307.8	318.1	321.7	324.7	328.6	333.1	335.6	339.7	345.5	354.0	361.3	382.4
223	374.1	355.0	349.3	341.8	332.0	330.7	328.6	326.2	322.1	313.1	310.3	301.8	286.3
224	287.0	297.3	307.3	315.0	315.7	318.2	322.9	326.7	331.2	338.5	347.6	354.6	370.2
225	363.7	368.2	368.0	369.4	375.9	376.9	377.7	378.0	377.3	375.5	374.1	376.1	371.3
226	542.9	545.2	544.7	544.7	546.0	545.9	546.5	546.4	546.3	546.5	548.9	549.3	548.6
227	609.7	613.4	614.5	614.2	615.7	615.1	616.3	615.3	614.2	615.9	617.0	616.6	614.2
228	680.0	685.1	687.2	687.1	686.0	685.4	688.9	687.8	687.5	688.4	688.9	687.3	683.8

Table IX: Ames Research Center 9x7 Tunnel - 10% Model(continued)
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 296 Pi	R: 297 Pi	R: 298 Pi	R: 299 Pi	R: 300 Pi	R: 301 Pi	R: 302 Pi	R: 303 Pi	R: 304 Pi	R: 305 Pi	R: 306 Pi	R: 307 Pi	R: 308 Pi
229	689.8	693.4	695.3	696.8	697.9	698.4	698.7	700.3	701.1	699.8	700.8	702.6	700.9
230	408.4	413.0	414.4	413.6	414.5	417.8	417.8	417.7	417.4	417.6	417.2	417.2	413.8
231	744.2	714.6	697.1	679.0	665.4	657.9	649.7	642.3	636.8	623.6	607.3	590.9	555.7
232	874.7	848.7	836.3	820.0	804.5	796.8	790.6	784.5	777.0	763.6	747.0	734.2	699.3
233	693.0	721.9	741.5	755.1	771.4	779.4	787.6	794.1	801.9	816.9	831.9	850.2	880.7
234	561.9	587.9	605.6	622.5	638.8	645.4	654.3	662.2	669.2	687.9	703.0	721.3	753.7
235	472.7	448.4	441.3	429.4	416.5	408.6	404.0	400.9	397.6	382.0	370.7	361.3	336.6
236	467.4	449.9	445.1	437.1	427.2	423.1	417.7	413.5	409.2	397.3	386.9	382.8	362.4
237	421.0	417.0	417.0	414.7	411.2	410.0	408.4	404.3	401.5	399.6	393.0	389.6	378.9
238	409.3	408.7	408.9	408.4	407.3	406.2	405.1	403.6	401.8	397.9	393.1	388.1	387.8
239	395.6	397.3	396.1	397.2	397.7	397.0	396.0	396.1	395.5	394.5	394.8	394.6	393.4
240	334.0	330.7	328.2	344.2	343.9	343.2	342.8	343.3	341.5	331.8	327.4	326.6	325.6
241	387.3	373.9	369.7	367.2	361.1	357.1	353.6	351.0	350.1	343.5	338.4	333.9	319.1
242	113.5	112.8	111.3	111.4	111.4	110.6	110.4	110.7	111.1	111.5	110.8	112.3	112.1
243	193.4	189.8	187.4	190.8	192.2	192.5	193.4	191.9	190.3	189.7	186.9	187.2	186.9
244	358.9	362.2	364.1	362.2	363.5	362.3	361.9	362.4	362.2	360.7	359.3	359.8	355.9
245	359.5	362.9	367.0	368.8	368.2	366.7	365.9	365.5	366.7	368.6	368.1	365.6	364.6
246	413.1	420.4	421.3	420.3	418.2	413.2	408.7	404.1	399.2	395.0	390.3	384.6	374.2
247	458.9	439.9	431.5	415.5	401.2	395.5	393.0	387.6	382.7	366.1	357.9	345.0	326.7
248	399.8	374.0	367.0	358.6	346.8	342.9	340.9	337.7	333.9	327.0	320.7	316.7	307.6
249	309.4	317.1	322.4	329.8	337.6	340.6	343.2	348.1	350.5	360.4	366.6	372.8	392.8
250	416.7	406.7	398.8	390.3	384.6	382.4	380.3	376.1	372.3	365.4	355.1	349.0	328.5
251	295.2	284.4	281.2	274.6	268.8	268.4	266.4	265.2	261.0	257.9	252.2	248.6	239.4
252	712.4	717.0	719.2	719.2	721.4	721.7	722.8	723.8	723.7	724.9	724.6	724.8	722.8

Table X: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 262 Pi	R: 263 Pi	R: 264 Pi	R: 265 Pi
2	612.7	615.8	616.8	616.8
3	542.7	509.9	481.4	425.3
4	484.6	517.2	556.6	626.4
5	526.0	495.2	469.5	413.6
6	465.9	496.0	531.4	597.0
7	508.3	477.8	452.6	402.0
8	455.3	486.0	520.2	583.6
9	363.9	363.4	365.8	363.1
10	540.6	544.8	545.2	547.0
11	497.6	466.4	427.3	378.9
12	428.9	460.5	493.1	564.9
13	483.4	454.3	420.8	378.5
14	418.0	448.6	480.5	553.0
15	465.3	444.5	411.1	367.4
16	405.4	429.6	457.1	526.3
17	386.7	401.5	394.0	377.3
19	422.0	394.3	374.4	330.7
20	368.5	388.5	414.1	465.7
21	408.1	386.6	361.8	329.4
22	359.5	383.4	404.7	445.3
23	356.4	331.6	318.4	293.7
24	323.6	337.4	360.5	398.4
25	342.1	327.3	314.3	287.8
26	306.0	324.6	338.7	379.1
43	549.1	513.1	470.2	403.6
44	475.9	513.8	539.2	564.6
67	340.4	323.6	312.5	281.5
68	312.6	330.2	344.9	384.2
85	569.9	535.8	504.7	443.5
86	578.6	613.4	648.8	713.6
87	624.5	604.3	582.9	533.7
88	581.5	607.5	630.2	677.1
89	432.3	426.3	421.2	410.2
90	419.9	429.3	433.6	440.7
91	428.2	427.9	428.2	427.0
921	381.7	381.9	388.1	381.7

Table X: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 262 P1	R: 263 P1	R: 264 P1	R: 265 P1
922	656.6	662.5	664.1	662.4
93	532.5	536.1	536.0	535.3
94	652.8	660.3	663.7	669.0
95	442.1	444.6	445.0	456.6
125	364.1	344.4	329.2	306.5
126	339.4	353.4	373.2	410.7
128	479.6	477.6	478.1	477.7
132	378.0	379.9	376.6	370.1
201	741.9	739.1	739.7	733.0
202	887.0	886.9	886.7	877.9
203	987.1	988.4	986.0	977.1
204	1051.7	1052.6	1050.2	1039.4
205	1057.4	1059.2	1056.9	1048.3
206	1012.2	1014.9	1014.2	1004.7
207	943.8	947.1	946.6	942.9
208	884.3	889.0	887.2	882.9
209	878.9	847.9	819.3	754.0
210	965.0	941.9	917.0	865.7
211	1032.8	1020.8	1006.5	969.9
212	1016.5	1029.2	1040.9	1056.8
213	935.1	960.1	983.4	1021.7
214	829.0	861.9	894.8	952.5
215	374.4	372.4	378.1	373.5
216	581.2	548.0	517.5	455.7
217	522.2	558.9	593.6	663.4
218	658.4	659.8	658.4	650.2
219	403.8	383.1	355.2	324.0
220	356.5	382.9	402.5	454.4
221	347.7	330.5	315.1	288.0
222	317.1	327.7	346.6	386.8
223	341.1	323.2	309.9	274.8
224	308.8	317.6	339.3	380.2
225	332.5	339.7	335.7	331.3
226	489.4	488.5	489.5	489.9
227	549.3	546.3	550.6	543.9
228	609.7	607.9	611.8	609.3

Table X: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 262 Pi	R: 263 Pi	R: 264 Pi	R: 265 Pi
229	755.9	760.6	760.6	760.5
230	463.3	468.7	467.1	462.8
231	664.6	632.2	600.7	531.6
232	800.6	768.0	738.9	676.0
233	733.0	766.6	804.2	866.6
234	602.4	638.9	674.6	744.5
235	437.1	404.1	376.4	323.0
236	464.5	437.3	413.6	375.7
237	458.2	449.7	437.6	420.1
238	453.8	453.0	438.8	443.3
239	443.6	444.6	439.7	447.1
240	378.1	377.8	377.8	362.1
241	390.6	374.2	357.8	315.1
242	112.1	107.7	112.3	107.1
243	174.1	175.0	176.2	172.1
244	331.6	329.5	328.7	321.9
245	334.2	330.3	333.5	326.9
246	417.5	393.6	371.6	330.6
247	410.4	380.9	353.6	311.0
248	349.5	332.6	317.8	295.8
249	318.5	335.8	354.8	390.1
250	366.9	361.3	354.7	333.4
251	261.9	249.9	235.8	248.3
252	780.9	785.1	785.2	783.0

Table XI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 267	R: 268	R: 269	R: 270	R: 271	R: 272	R: 273	R: 274	R: 275	R: 276	R: 277	R: 278	R: 279
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	418.5	416.9	417.6	418.8	420.5	421.2	421.2	421.0	421.2	421.2	422.5	422.2	426.2
3	580.7	552.7	538.6	524.9	512.0	505.3	500.2	495.3	487.8	476.4	459.1	447.8	421.9
4	428.1	452.7	462.2	473.2	489.8	497.0	503.7	511.2	519.4	534.9	549.6	565.3	595.3
5	592.3	563.8	549.5	535.0	520.0	513.5	507.2	503.3	496.2	481.7	465.0	455.4	424.5
6	430.1	455.2	464.9	476.5	494.0	501.9	507.6	516.0	524.6	541.6	555.5	572.1	603.5
7	596.6	568.9	552.6	540.9	525.9	517.1	512.5	507.5	502.1	487.3	470.6	460.0	434.0
8	437.7	462.9	473.1	486.2	503.1	510.9	518.8	525.7	533.3	549.8	563.6	581.4	611.7
9	535.2	539.3	540.0	542.2	542.9	543.6	544.7	545.1	546.9	546.2	545.8	543.1	541.3
10	358.5	358.8	357.6	359.7	359.8	360.0	360.5	359.3	360.8	361.9	362.2	362.6	364.2
11	575.3	539.8	526.2	509.7	497.2	492.8	486.4	479.3	471.4	454.8	443.0	432.8	409.5
12	401.6	423.9	438.3	446.9	458.1	467.2	475.7	483.3	489.9	505.0	524.2	538.7	579.3
13	567.9	532.2	519.6	502.3	493.2	486.8	479.8	471.3	463.2	447.6	434.0	423.9	401.1
14	393.0	417.6	430.7	439.5	451.9	459.5	468.9	474.6	482.8	496.7	514.8	530.5	570.0
15	552.0	516.6	500.4	484.2	473.6	468.4	462.5	454.4	445.5	429.9	420.5	409.1	387.3
16	375.7	396.7	410.0	419.3	429.2	436.9	446.7	453.7	460.6	474.9	493.4	510.3	553.1
17	553.0	562.3	564.7	566.4	569.6	571.3	572.1	571.9	573.4	571.6	571.6	568.2	557.1
19	471.8	447.2	439.5	429.7	416.0	411.0	406.0	398.6	396.8	389.9	374.6	367.5	348.1
20	340.7	357.8	364.5	376.7	389.0	391.0	394.9	399.8	404.6	418.0	428.4	437.1	469.2
21	445.5	428.1	416.0	401.6	393.0	389.7	383.6	377.7	370.6	362.9	352.6	345.4	335.8
22	327.8	341.4	350.4	357.2	366.0	371.1	378.2	381.8	389.7	396.3	405.4	419.4	443.3
23	390.2	363.4	354.9	346.7	335.0	330.6	329.0	326.3	321.2	314.1	306.3	301.3	289.9
24	299.6	309.9	316.5	324.7	334.5	336.4	338.4	343.6	346.8	358.6	365.9	372.2	395.3
25	386.9	368.3	354.8	345.5	339.1	334.2	330.0	327.5	324.1	319.8	316.3	310.1	296.8
26	287.8	304.4	311.7	313.2	319.8	322.4	329.3	333.5	338.4	343.9	352.0	363.0	379.4
43	557.7	524.5	511.1	497.6	484.0	479.3	472.7	466.2	459.2	443.1	429.1	419.6	396.0
44	396.9	420.4	432.4	441.9	454.1	462.7	471.4	477.9	486.1	498.7	511.3	522.0	547.3
67	363.6	349.3	338.1	331.3	324.0	321.3	316.4	311.6	309.3	307.2	299.5	297.0	284.2
68	282.4	297.9	302.7	302.2	309.6	313.1	317.9	323.4	326.5	332.5	340.7	351.2	366.2
85	632.7	601.7	587.3	571.7	557.7	549.8	543.3	537.3	531.2	515.9	499.6	484.8	456.9
86	461.4	481.9	491.9	502.9	516.7	521.9	528.3	533.5	539.6	551.0	565.3	578.2	603.6
87	497.5	482.8	475.6	469.6	466.3	462.8	459.2	457.4	453.9	449.1	437.9	432.9	417.6
88	417.4	431.4	437.4	443.2	452.3	455.8	459.6	462.1	466.8	473.4	479.6	488.7	503.0
89	291.2	295.1	298.7	297.5	295.3	294.4	296.0	297.2	296.5	295.8	294.9	295.6	295.1
90	290.5	290.8	292.0	294.0	297.9	300.2	297.9	298.2	297.0	294.4	296.9	295.6	294.4
91	291.3	291.2	293.4	296.9	296.3	295.3	294.1	294.1	293.0	296.1	294.2	294.4	296.6
921	570.7	572.8	573.9	573.8	574.8	574.5	575.4	576.0	576.6	576.4	575.7	573.6	572.9

Table XI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 267 Pi	R: 268 Pi	R: 269 Pi	R: 270 Pi	R: 271 Pi	R: 272 Pi	R: 273 Pi	R: 274 Pi	R: 275 Pi	R: 276 Pi	R: 277 Pi	R: 278 Pi	R: 279 Pi
922	442.6	442.9	443.6	444.4	444.3	445.6	446.8	447.4	450.3	451.2	452.4	452.9	455.3
93	353.4	352.9	353.0	353.2	354.9	355.5	354.4	354.8	355.3	357.4	356.9	357.6	356.8
94	436.6	437.2	437.2	439.9	442.7	444.2	445.1	446.0	448.3	451.4	454.0	454.8	458.1
95	300.5	295.8	295.3	297.8	297.6	297.9	298.4	300.4	300.8	300.2	300.9	298.6	300.7
125	431.7	406.6	392.7	377.4	372.6	366.6	360.2	355.9	350.4	341.7	328.8	320.8	305.8
126	318.0	329.1	341.4	350.9	360.2	363.8	369.2	375.0	378.7	388.5	396.6	407.4	440.5
128	685.0	683.0	679.9	680.1	679.8	680.8	680.5	679.9	680.3	677.7	673.9	671.5	674.2
132	287.2	289.9	291.0	291.4	291.8	292.6	290.6	291.6	291.1	288.8	289.5	288.9	284.7
201	938.1	947.6	950.0	951.0	952.1	951.9	953.4	953.0	952.7	951.6	950.9	947.2	941.7
202	1015.9	1026.4	1028.5	1029.9	1031.9	1032.6	1033.7	1032.8	1032.7	1030.8	1028.5	1025.1	1018.8
203	1046.7	1057.8	1059.3	1061.2	1064.0	1065.4	1065.2	1063.9	1063.8	1063.4	1061.4	1057.9	1053.9
204	1023.4	1033.5	1035.5	1037.5	1040.4	1040.1	1040.3	1039.7	1040.6	1040.0	1036.2	1033.6	1031.5
205	940.8	950.3	952.1	954.7	955.6	956.2	956.5	956.2	956.8	955.7	954.1	953.7	952.6
206	837.0	842.7	844.3	845.5	846.5	846.9	845.8	846.3	848.3	847.3	847.2	848.7	844.1
207	739.4	744.6	746.0	749.0	748.8	749.3	750.4	750.6	752.9	753.0	755.1	753.3	754.1
208	672.7	676.3	677.5	678.6	678.9	680.6	679.8	681.8	682.6	685.0	685.7	687.2	684.9
209	943.3	919.2	908.7	896.0	883.7	875.7	870.0	863.0	854.4	842.9	830.7	815.8	782.0
210	1000.3	987.1	978.5	966.2	959.4	953.8	947.0	941.2	936.7	924.9	912.3	901.7	873.8
211	1033.3	1030.6	1028.1	1021.3	1019.5	1016.4	1012.6	1008.9	1006.4	999.7	991.5	984.1	968.7
212	967.4	989.6	996.7	1004.8	1013.2	1016.9	1021.2	1022.4	1025.1	1030.1	1034.0	1038.2	1048.3
213	884.7	913.0	925.0	938.2	950.5	956.5	962.1	968.1	973.9	982.9	993.1	1003.0	1021.8
214	782.8	816.5	832.2	847.5	864.1	870.6	879.9	887.6	895.3	909.1	922.2	934.8	961.9
215	562.1	562.7	562.8	561.3	560.2	559.1	560.4	560.6	561.2	560.6	559.6	554.4	550.8
216	615.0	587.2	572.1	561.1	546.3	536.8	531.6	525.1	521.0	506.2	490.2	474.9	450.1
217	461.3	486.4	497.7	511.5	528.0	533.8	541.3	547.0	554.8	569.3	583.8	602.0	632.2
218	452.0	448.5	448.8	449.2	448.8	449.0	448.2	448.4	450.5	449.6	450.0	449.6	449.6
219	429.7	413.6	400.2	386.8	378.5	376.4	369.8	364.4	356.2	347.9	340.4	334.8	326.6
220	321.8	332.4	341.7	348.3	353.7	358.7	364.4	369.6	376.2	381.4	389.1	402.3	426.1
221	388.9	363.6	360.0	351.9	342.9	339.8	336.2	336.7	335.6	330.1	324.6	319.1	306.7
222	314.3	319.7	326.6	334.8	332.0	332.0	336.3	338.6	342.7	350.6	357.2	364.1	383.2
223	375.1	355.8	346.8	337.6	332.0	331.8	330.0	328.0	324.3	320.5	312.3	307.7	299.9
224	303.8	310.1	315.5	325.3	329.4	329.3	328.6	329.5	332.4	339.5	346.7	352.2	369.5
225	475.0	481.7	482.1	482.8	485.1	482.6	486.6	487.8	487.0	485.7	488.8	487.5	484.6
226	685.2	690.9	692.7	694.3	694.6	695.1	695.6	697.1	696.6	697.8	696.8	697.5	695.1
227	755.7	762.0	763.5	764.7	766.7	765.8	767.6	766.6	767.3	767.2	766.6	765.7	762.4
228	836.9	842.8	846.2	848.6	849.1	850.5	850.6	851.4	848.7	849.5	848.4	847.5	843.9

Table XI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 267	R: 268	R: 269	R: 270	R: 271	R: 272	R: 273	R: 274	R: 275	R: 276	R: 277	R: 278	R: 279	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	538.8	538.4	539.5	540.9	541.4	541.5	542.3	546.9	544.7	545.7	547.9	548.0	548.3	
230	304.9	310.8	312.4	311.6	313.7	314.5	315.4	315.7	314.7	316.0	313.2	311.4	309.0	
231	758.7	725.6	709.3	693.5	679.0	670.6	662.3	654.6	647.6	635.3	620.8	601.3	567.1	
232	883.5	856.9	842.7	830.0	814.8	808.8	799.3	792.2	784.8	772.0	758.7	743.9	709.2	
233	703.2	731.9	748.8	764.5	780.3	788.5	797.2	805.8	814.4	829.7	846.1	860.6	890.3	
234	570.4	599.5	616.7	634.7	650.5	659.3	669.2	677.2	686.9	704.0	721.2	738.3	772.0	
235	416.1	403.4	395.3	384.6	375.0	371.2	373.2	367.1	363.8	354.3	349.6	342.2	334.8	
236	361.0	355.8	353.8	346.9	342.3	341.2	339.4	338.6	337.0	331.7	329.0	325.3	316.4	
237	311.4	312.6	310.5	310.7	309.4	309.2	306.9	305.9	307.6	306.4	307.4	306.6	307.8	
238	308.5	309.3	309.9	311.2	309.8	308.8	307.1	305.7	304.8	304.1	301.8	299.8	298.1	
239	299.3	300.0	300.4	299.8	298.5	298.1	298.1	297.0	297.1	295.8	295.3	295.8	299.5	
240	265.7	264.7	265.9	264.8	263.2	263.1	264.1	269.9	273.9	276.8	271.2	263.7	263.5	
241	267.9	269.5	271.8	276.5	277.7	278.4	280.4	282.7	281.1	282.7	287.7	286.4	284.6	
242	143.0	150.1	151.8	153.1	153.4	153.8	153.8	153.7	154.2	153.4	152.1	150.3	139.2	
243	244.8	245.1	245.4	248.9	247.7	248.1	249.0	248.1	247.7	247.0	242.9	241.7	241.7	
244	456.8	464.4	461.9	463.0	465.8	465.5	464.8	463.7	464.8	462.8	459.7	461.3	457.0	
245	460.4	467.7	468.8	471.8	471.1	470.0	468.5	467.6	467.3	472.9	473.3	468.4	464.5	
246	458.1	433.8	420.9	410.9	395.3	386.3	379.7	373.1	367.1	361.5	350.5	340.2	324.1	
247	427.5	413.1	402.4	390.5	380.5	380.0	375.3	369.5	362.8	351.5	344.3	336.2	325.7	
248	411.3	384.4	380.0	368.1	354.1	349.6	346.6	340.8	335.5	327.6	321.4	314.6	301.9	
249	300.4	314.8	319.7	328.4	339.5	344.2	347.5	351.9	355.4	365.3	375.7	382.8	400.3	
250	406.1	376.7	360.7	342.2	329.3	321.0	314.3	306.9	298.5	288.8	268.2	254.0	217.9	
251	291.6	277.8	274.4	267.3	262.4	259.6	254.0	253.2	251.3	243.5	238.3	233.2	269.0	
252	552.1	553.4	555.0	556.9	556.3	557.8	557.7	559.9	560.9	563.8	565.1	564.9	565.4	

Table XII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 104 Pi	R: 105 Pi	R: 106 Pi	R: 107 Pi	R: 108 Pi	R: 116 Pi	R: 110 Pi	R: 111 Pi	R: 112 Pi	R: 113 Pi	R: 114 Pi	R: 115 Pi
2	419.2	421.7	421.7	422.6	421.6	420.6	419.4	419.0	416.5	415.0	371.8	410.7
3	585.1	558.8	544.8	527.8	511.2	497.6	490.4	481.6	467.3	453.9	368.7	419.1
4	428.8	452.9	465.2	478.5	493.2	506.3	511.8	517.2	531.2	543.5	368.8	583.4
5	599.5	570.2	553.3	538.9	520.7	505.8	498.4	490.4	474.2	460.3	246.7	423.0
6	429.6	456.0	467.8	482.2	497.4	510.5	516.5	524.1	537.4	550.9	564.8	593.4
7	603.9	574.1	556.8	542.6	524.2	512.1	504.0	494.6	479.4	465.6	455.3	432.2
8	437.7	463.7	475.2	492.7	506.7	519.5	524.3	531.8	545.3	559.9	574.3	602.1
9	547.2	545.1	545.7	548.1	545.0	544.2	542.2	541.9	540.6	538.4	538.1	537.5
10	359.3	363.3	365.9	364.2	358.9	361.8	359.6	358.9	357.5	355.6	355.2	351.7
11	586.8	545.2	527.7	512.2	496.1	477.8	469.1	461.6	449.8	438.9	424.4	404.6
12	403.3	427.3	439.0	451.5	465.5	481.2	487.7	490.8	504.5	520.1	534.1	567.8
13	578.0	539.2	521.6	505.1	488.5	471.6	462.0	454.0	441.8	429.9	417.2	397.0
14	395.9	419.4	431.9	442.4	459.1	474.3	480.4	485.5	497.9	511.9	525.7	558.8
15	563.3	520.8	503.7	486.1	470.4	453.3	444.0	437.8	425.9	415.5	401.7	383.6
16	376.6	398.5	411.1	421.6	435.5	452.5	458.8	463.7	475.6	491.9	505.3	539.8
17	565.6	570.9	572.7	571.1	571.8	570.3	568.6	568.4	566.7	563.8	368.4	556.0
19	474.9	445.1	435.6	424.1	409.1	400.9	396.1	392.5	382.2	372.8	367.2	351.8
20	340.6	360.8	366.8	381.4	389.7	397.7	403.5	411.6	418.9	428.7	367.1	463.2
21	444.0	420.6	408.4	398.6	389.5	378.4	371.7	367.5	363.4	353.6	367.1	330.9
22	326.5	339.8	351.9	360.1	365.5	380.1	386.1	389.5	399.6	412.4	367.1	444.1
23	393.2	370.5	364.4	354.7	344.3	340.8	334.6	330.7	322.4	312.3	367.1	294.5
24	286.4	298.0	305.1	312.3	322.1	331.5	333.5	336.0	348.1	357.9	367.1	393.4
25	382.9	364.6	355.3	350.9	339.0	332.2	326.3	321.8	317.7	313.0	367.1	292.9
26	291.6	301.0	302.5	309.5	313.7	324.6	330.6	335.5	341.9	350.3	367.1	380.1
43	568.0	531.5	515.0	497.3	482.6	469.0	458.8	451.1	437.8	425.8	401.5	392.1
44	399.6	421.9	434.8	446.7	459.7	477.1	481.4	486.5	497.3	508.5	521.7	537.1
67	361.0	346.1	337.1	334.4	325.0	318.9	314.6	310.7	305.3	301.7		282.9
68	283.9	295.7	300.3	305.4	309.9	317.2	323.1	327.5	335.7	338.4	658.6	366.9
85	638.4	608.2	591.7	576.8	559.9	541.4	534.0	525.4	507.8	494.2	479.0	452.3
86	458.1	483.9	495.0	508.4	519.6	528.3	533.4	537.2	546.8	557.1	568.0	591.7
87	499.7	488.1	479.3	473.7	464.9	457.5	452.6	447.9	437.9	430.1	423.8	405.9
88	418.8	435.4	441.0	449.0	455.5	461.1	463.1	466.7	471.0	475.4	480.3	491.1
89	296.1	295.2	295.6	294.7	294.9	297.4	295.5	295.8	294.5	294.9	293.0	293.3
90	295.1	294.5	298.3	298.0	295.8	295.3	295.7	294.4	295.4	296.8	296.0	294.4
91	295.6	295.2	296.2	295.3	294.1	293.0	293.3	294.5	295.5	295.0	370.4	294.4
921	578.3	580.0	579.4	578.9	576.6	574.5	574.1	573.3	571.3	570.5	378.5	566.3

Table XII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 104 Pi	R 105 Pi	R 106 Pi	R 107 Pi	R 108 Pi	R 116 Pi	R 110 Pi	R 111 Pi	R 112 Pi	R 113 Pi	R 114 Pi	R 115 Pi
922	446.7	448.8	448.0	448.9	448.1	448.0	447.3	446.2	444.8	446.8	1156.2	443.7
93	353.3	358.8	360.1	358.9	353.8	355.7	355.4	354.9	352.0	350.0	368.3	347.0
94	438.4	440.6	442.6	442.5	444.4	445.0	445.4	445.3	444.0	445.6	368.2	443.8
95	295.0	292.7	292.8	295.3	293.9	297.7	297.8	298.7	296.7	294.7	368.2	295.8
125	425.1	396.8	386.9	377.0	368.3	357.2	351.5	350.4	338.0	330.6	368.2	305.3
126	311.8	325.9	338.2	350.1	356.1	367.3	373.8	380.7	388.6	405.0	368.2	441.2
128	686.0	678.8	675.9	676.1	678.2	679.5	679.4	678.3	678.1	677.0	368.2	678.0
132	280.9	286.4	288.1	287.1	284.3	284.7	284.0	284.7	285.3	285.0	368.2	284.3
201	947.8	951.2	950.7	950.6	952.0	951.1	950.8	949.3	950.1	946.1	944.0	934.6
202	1025.0	1028.0	1028.9	1028.9	1029.6	1029.5	1029.8	1027.3	1026.6	1024.5	1022.4	1010.8
203	1055.9	1058.9	1060.0	1061.1	1061.2	1061.7	1061.8	1058.6	1057.2	1057.1	1053.9	1041.5
204	1030.4	1034.9	1036.6	1037.1	1037.1	1037.4	1037.3	1034.6	1032.8	1030.1	1028.1	1015.8
205	945.1	949.7	952.6	954.2	953.9	955.7	955.5	953.0	951.9	948.6	947.5	935.0
206	839.4	844.6	844.4	845.6	846.6	846.8	846.2	844.2	844.1	840.3	836.2	826.6
207	742.8	748.3	749.5	749.9	750.3	750.3	750.5	749.3	747.7	743.9	742.2	736.0
208	674.2	679.5	679.9	681.6	681.5	680.3	680.6	678.7	677.4	675.1	674.0	667.1
209	952.0	926.1	913.6	900.1	886.8	872.2	864.1	855.7	840.7	823.7	808.1	776.0
210	1009.4	990.1	981.0	970.6	961.3	949.1	941.9	935.3	923.6	908.8	895.6	864.9
211	1041.5	1032.4	1029.1	1023.4	1019.2	1011.6	1009.0	1003.8	996.4	986.6	979.4	956.3
212	973.0	990.3	997.4	1003.7	1009.6	1016.6	1017.4	1020.2	1023.7	1028.3	1033.6	1033.7
213	887.4	915.9	925.6	935.5	946.7	956.9	961.4	967.0	976.2	985.0	1028.2	1007.6
214	785.3	818.3	834.1	848.9	859.4	873.0	879.7	887.1	899.5	913.1	1028.2	953.0
215	572.3	570.1	568.4	567.5	563.4	560.8	558.2	557.3	555.5	551.4	549.4	546.4
216	620.6	592.4	576.6	562.9	546.0	531.7	523.4	514.1	497.4	483.5	470.3	444.3
217	458.3	487.7	500.4	517.0	529.1	540.6	545.3	552.3	564.8	578.2	593.0	621.3
218	452.9	452.6	453.8	451.7	449.0	447.3	446.5	443.9	441.6	440.5	438.3	434.8
219	428.5	405.0	391.6	383.1	374.3	364.6	359.7	355.1	351.2	340.9	333.6	321.6
220	317.6	332.0	342.2	350.9	352.7	366.4	370.9	375.0	383.5	395.4	407.4	425.0
221	381.8	367.0	359.6	352.8	344.7	338.2	336.0	334.9	330.9	326.5	318.9	309.7
222	309.9	322.2	325.8	325.2	328.2	332.8	332.7	335.6	347.1	357.6	364.1	385.3
223	369.8	356.6	347.2	341.7	331.3	327.6	325.7	325.3	318.5	311.8	309.5	301.6
224	302.2	307.9	310.0	315.3	317.1	322.3	323.8	326.8	331.3	343.2	354.7	372.2
225	484.2	484.3	483.4	484.4	485.3	485.2	485.3	484.9	483.3	484.5	482.3	480.4
226	695.3	699.9	699.5	698.4	697.5	697.8	697.7	697.2	696.4	694.5	1028.2	693.7
227	766.5	770.1	768.6	768.2	768.3	768.2	769.1	768.5	767.2	765.0	1028.2	759.3
228	847.3	851.0	849.8	849.2	850.7	850.5	850.8	849.8	848.9	846.0	1028.2	838.6

Table XII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 104	R: 105	R: 106	R: 107	R: 108	R: 116	R: 110	R: 111	R: 112	R: 113	R: 114	R: 115
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	542.4	541.9	544.5	545.4	545.7	543.5	542.4	541.4	539.5	538.0	1028.2	533.1
230	306.9	310.8	313.0	313.4	314.9	314.9	312.3	311.0	309.9	310.4		303.0
231	767.2	732.3	718.5	699.7	685.3	667.7	657.2	648.3	632.3	612.2	1028.2	566.2
232	891.9	862.0	847.8	832.9	818.5	802.6	794.8	786.7	771.9	753.6	1028.2	712.0
233	705.7	735.8	752.0	766.0	779.5	791.1	800.8	806.0	821.1	835.3	1029.6	882.2
234	572.1	603.8	620.4	639.2	652.2	666.1	672.6	680.9	696.4	711.8	1028.8	763.3
235	413.8	397.5	388.3	379.0	371.6	365.8	361.4	357.0	350.9	345.4	367.4	330.4
236	356.7	352.6	347.3	343.3	338.7	335.2	333.9	331.2	327.3	324.9	454.5	310.8
237	308.0	307.5	307.4	306.3	306.2	304.0	302.7	301.9	301.5	303.3	367.3	297.0
238	307.2	305.8	307.6	306.9	305.1	304.3	300.9	300.7	297.1	296.4	367.3	289.6
239	297.3	297.0	297.3	297.0	295.1	295.9	294.5	294.6	291.3	290.4	367.3	292.6
240	258.6	261.6	262.7	262.7	264.4	264.2	265.6	268.8	272.6	264.1	367.3	263.8
241	265.4	271.3	273.9	279.1	279.7	277.9	278.4	280.5	283.0	284.0	367.3	282.0
242	141.4	149.7	151.5	152.3	151.9	151.8	151.6	152.2	152.1	151.5	367.3	142.2
243	244.6	244.4	244.8	247.8	245.2	247.8	245.9	246.6	246.9	243.3	396.7	243.6
244	458.6	462.1	462.5	462.6	462.7	462.4	464.3	466.0	463.9	461.6	421.9	455.2
245	465.0	467.0	469.9	470.8	465.9	466.5	466.9	468.6	470.8	468.3	421.9	461.4
246	465.0	432.6	417.5	403.8	384.6	370.7	365.6	360.5	353.3	343.8	480.3	326.1
247	425.4	407.9	394.4	386.5	378.5	369.3	362.8	358.4	353.5	342.7	334.0	320.8
248	399.7	379.1	372.2	361.8	352.0	346.3	342.0	337.5	326.6	318.2	314.5	298.2
249	297.3	311.0	319.1	326.7	337.3	348.9	350.4	353.9	366.1	376.1	383.4	410.5
250	399.8	375.7	361.2	344.8	328.6	314.0	308.5	303.2	287.2	268.4	250.7	209.1
251	293.3	278.7	274.1	271.0	263.3	256.0	252.0	248.2	244.4	241.6	237.0	222.7
252	556.6	557.6	559.5	560.2	561.1	559.8	560.4	558.3	556.8	554.8	1028.2	552.4

Table XIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1	R: 2	R: 3	R: 4	R: 5	R: 6	R: 7	R: 8	R: 9
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	420.0	421.2	421.3	422.7	423.5	423.1	421.5	421.2	418.4
3	535.2	527.7	514.0	500.5	488.0	476.0	463.3	449.9	425.2
4	477.6	483.7	496.7	511.3	525.5	540.2	555.2	567.6	592.9
5	545.3	537.4	521.8	510.1	494.8	483.6	469.6	456.9	430.4
6	481.4	486.8	502.2	515.7	530.2	545.9	560.7	575.8	603.2
7	549.4	542.1	528.1	514.2	500.2	487.4	475.7	462.5	437.4
8	487.1	495.7	510.9	524.8	539.0	554.4	569.8	582.0	611.2
9	544.8	544.9	546.9	547.1	546.7	548.3	544.8	545.8	543.7
10	361.8	362.3	363.0	363.5	363.3	362.4	361.9	361.5	360.0
11	519.3	513.0	498.0	484.3	470.3	458.0	445.6	432.8	408.7
12	448.7	454.9	468.2	484.0	497.5	514.5	529.6	545.2	581.6
13	513.1	506.3	490.9	476.7	462.8	448.2	437.3	424.4	400.4
14	440.6	447.8	461.5	476.7	489.4	505.1	520.6	536.8	570.4
15	494.5	487.1	472.6	459.6	446.0	434.6	422.0	410.1	387.6
16	418.3	424.6	438.9	451.9	467.3	482.3	497.5	514.8	551.5
17	568.1	569.7	571.0	571.4	572.0	571.4	569.3	566.8	560.6
19	431.8	425.4	415.7	405.0	397.1	388.0	378.3	370.1	352.0
20	372.4	377.9	388.9	398.2	408.7	418.8	428.6	440.1	467.0
21	408.0	400.1	390.6	381.5	373.4	365.4	357.8	349.2	332.1
22	356.9	360.7	372.9	381.8	391.8	401.7	412.7	424.7	447.7
23	365.1	359.5	350.9	343.2	334.2	324.9	315.8	307.2	291.9
24	311.3	314.5	325.5	331.3	340.0	350.5	362.2	372.2	395.3
25	353.3	349.5	340.3	331.2	323.2	316.1	309.2	301.6	289.8
26	307.8	309.0	316.5	323.9	332.9	342.6	351.3	360.9	381.8
43	505.1	499.3	484.5	471.2	458.2	445.4	433.1	419.9	397.6
44	443.8	450.3	464.0	480.1	491.8	503.8	516.3	526.8	546.8
67	335.6	332.4	324.0	315.3	307.7	300.0	293.6	286.9	277.7
68	298.5	298.8	307.2	313.7	321.4	329.5	338.8	347.9	365.3
85	582.5	575.9	560.8	545.0	531.2	516.8	503.3	489.5	461.2
86	505.4	511.6	521.3	534.4	544.8	555.8	567.6	577.9	601.0
87	475.2	472.2	466.5	460.6	452.7	445.2	438.8	432.1	416.7
88	445.5	449.8	457.7	466.0	468.8	477.3	483.4	490.2	500.5
89	296.4	297.1	296.8	297.2	295.4	294.3	293.7	292.8	291.2
90	295.1	295.8	294.3	293.3	293.4	293.8	292.5	291.6	290.1
91	295.1	295.0	295.3	295.9	295.5	295.9	295.7	293.8	292.4
921	577.2	578.6	580.8	578.9	579.8	579.8	578.3	575.9	572.4

Table XIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1 Pi	R: 2 Pi	R: 3 Pi	R: 4 Pi	R: 5 Pi	R: 6 Pi	R: 7 Pi	R: 8 Pi	R: 9 Pi
922	442.6	447.8	449.3	449.9	450.3	450.7	450.5	450.5	450.6
93	356.0	355.1	355.8	357.3	357.8	357.7	357.7	357.2	355.7
94	442.7	443.4	443.5	447.8	448.6	451.3	453.5	453.0	453.5
95	296.5	295.0	297.2	299.4	300.9	302.4	302.4	302.9	301.1
125	381.1	377.8	364.2	354.4	344.3	334.6	325.7	316.7	298.9
126	344.2	348.2	358.3	369.4	379.1	390.1	402.3	414.0	437.9
128	678.7	679.8	680.5	681.4	678.6	678.8	675.3	673.9	675.1
132	285.2	284.3	285.3	285.7	286.3	286.7	287.2	286.4	281.7
201	954.7	957.1	958.5	957.8	957.4	955.3	952.8	948.9	942.4
202	1033.7	1037.0	1037.8	1037.1	1035.9	1034.6	1031.3	1025.9	1018.8
203	1064.8	1067.5	1067.9	1068.2	1066.4	1063.9	1061.8	1057.7	1049.9
204	1038.8	1041.5	1042.1	1042.1	1040.2	1035.6	1035.4	1030.7	1023.7
205	954.1	957.2	956.8	957.8	956.3	953.8	952.6	949.1	943.3
206	842.0	846.3	845.0	847.4	846.2	843.3	844.2	839.9	834.2
207	747.3	750.8	750.1	750.9	750.4	748.3	748.7	745.4	743.0
208	679.3	681.4	681.5	681.4	680.0	679.0	679.8	678.4	675.5
209	901.8	896.6	881.7	866.9	855.4	841.0	826.8	811.3	779.9
210	973.4	969.5	957.2	946.9	934.8	923.6	911.3	899.2	872.0
211	1026.0	1026.5	1019.8	1013.9	1004.7	996.8	990.2	982.0	963.9
212	1001.8	1009.7	1016.6	1022.7	1027.7	1033.1	1035.7	1035.6	1040.8
213	935.5	944.3	955.2	966.3	977.0	986.2	994.9	1001.1	1016.1
214	842.6	853.2	868.7	882.2	897.6	910.8	923.1	935.5	960.1
215	565.5	566.5	566.7	564.8	563.2	561.3	559.5	556.2	552.6
216	568.6	561.5	547.9	535.2	519.9	506.2	493.6	479.7	453.5
217	512.2	520.9	533.8	546.4	559.4	574.2	589.0	601.0	630.9
218	450.5	450.7	450.2	449.2	448.4	446.7	448.2	445.1	442.8
219	392.9	385.6	377.0	368.8	359.7	351.9	344.9	337.0	322.4
220	345.1	350.6	358.9	370.7	377.5	387.3	397.4	407.5	431.1
221	352.3	348.3	342.5	336.1	329.8	323.5	319.2	315.4	308.3
222	316.1	319.5	324.8	331.6	338.6	344.8	353.3	362.2	380.2
223	340.4	336.3	329.6	323.4	316.8	311.0	306.2	302.6	296.8
224	307.3	308.8	314.0	321.0	326.5	334.0	341.6	349.6	370.4
225	479.0	479.7	481.4	482.6	483.5	483.4	483.9	483.0	480.9
226	695.6	700.4	701.8	701.3	701.9	701.1	700.0	699.7	696.9
227	767.4	772.6	772.2	772.4	772.4	772.8	772.3	770.1	764.9
228	851.6	855.7	855.6	856.4	856.4	854.7	853.2	852.3	844.9

Table XIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1 Pi	R: 2 Pi	R: 3 Pi	R: 4 Pi	R: 5 Pi	R: 6 Pi	R: 7 Pi	R: 8 Pi	R: 9 Pi
229	541.4	543.7	542.5	544.2	544.0	542.8	544.0	542.3	540.9
230	313.5	314.0	314.6	315.2	315.4	313.8	313.2	310.5	307.1
231	699.3	695.8	679.9	663.9	648.7	633.3	617.4	599.9	569.3
232	834.1	829.8	815.1	801.4	786.8	771.3	758.3	742.1	712.6
233	759.8	770.8	787.8	802.4	816.0	831.6	846.1	859.4	885.9
234	630.0	640.6	657.1	675.0	689.8	705.4	722.2	737.3	768.8
235	384.9	382.4	375.2	368.4	361.6	354.6	348.5	343.5	332.1
236	345.8	344.6	341.0	338.1	336.2	332.5	328.0	324.1	315.1
237	307.5	308.1	306.4	307.0	305.9	305.9	308.8	306.8	302.9
238	309.5	308.3	307.8	307.7	306.8	306.3	304.3	302.9	298.1
239	299.3	299.2	298.1	297.9	297.1	297.9	298.6	299.2	299.6
240	267.1	266.9	266.1	267.0	276.6	276.9	266.5	264.8	266.4
241	270.6	272.1	275.3	275.7	276.4	277.5	279.4	279.3	279.7
242	153.1	153.4	154.0	154.3	154.1	153.4	153.6	153.2	143.3
243	248.6	249.5	249.4	251.4	250.1	250.9	246.7	245.5	245.7
244	461.3	462.1	464.1	463.3	463.3	462.3	460.8	459.3	454.7
245	464.7	465.7	466.1	465.7	464.7	463.8	462.7	460.8	457.0
246	411.5	404.6	389.4	378.8	365.8	357.4	348.4	341.0	327.0
247	396.6	391.5	382.5	374.2	363.8	355.1	345.0	336.8	320.1
248	367.8	361.4	352.6	345.4	335.7	326.8	319.7	311.1	296.4
249	326.7	329.7	339.1	348.7	358.3	368.3	377.0	387.9	410.7
250	353.9	346.4	328.9	313.3	297.8	282.9	268.8	251.7	211.5
251	266.4	263.3	256.7	251.2	246.4	242.1	238.1	233.2	225.2
252	555.8	560.0	559.7	561.1	561.7	561.2	560.3	560.3	558.9

Table XIV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 60 Pi	R: 59 Pi	R: 58 Pi	R: 57 Pi	R: 56 Pi	R: 55 Pi	R: 54 Pi	R: 53 Pi	R: 52 Pi
2	412.6	414.4	414.8	415.1	415.5	417.8	420.2	418.4	417.7
3	577.8	550.9	536.2	523.8	508.2	496.8	487.7	472.9	464.1
4	425.5	449.3	462.1	475.6	488.1	504.6	520.2	534.4	538.8
5	591.6	563.4	547.6	532.8	517.5	505.6	494.6	480.9	472.0
6	426.8	451.9	464.9	478.8	492.0	511.5	526.7	540.5	545.6
7	595.4	566.4	551.0	538.1	522.5	512.6	501.1	486.1	476.4
8	434.9	459.9	473.4	489.4	502.7	519.0	536.3	550.7	554.8
9	534.5	535.7	536.9	540.8	540.6	545.4	545.8	545.1	542.5
10	353.6	355.0	355.7	356.7	356.0	358.5	359.8	358.1	356.0
11	573.4	538.3	521.5	507.8	491.5	479.9	467.3	453.4	445.8
12	395.5	419.6	430.2	445.5	458.0	475.5	490.5	505.5	510.6
13	565.0	530.8	514.7	500.1	483.1	473.3	459.6	445.8	438.1
14	388.9	411.5	425.0	439.8	450.9	469.9	485.4	499.3	504.4
15	550.0	513.0	497.2	482.2	466.3	454.8	443.2	429.8	423.3
16	369.5	392.4	403.4	416.8	429.0	446.7	463.3	478.5	480.9
17	555.6	562.2	564.1	568.8	566.2	570.5	573.1	572.0	569.9
19	468.8	445.9	434.6	423.3	411.0	404.4	397.4	387.5	381.4
20	337.0	354.9	364.2	376.1	384.8	397.7	409.6	419.1	422.3
21	447.5	423.9	413.3	402.8	392.2	384.4	376.3	367.4	362.1
22	324.5	341.2	349.0	358.2	366.9	379.8	391.5	401.8	406.2
23	404.1	379.2	371.4	362.3	350.0	344.6	338.4	328.2	320.1
24	284.6	300.0	309.1	317.5	325.1	334.3	344.3	353.0	358.5
25	384.3	361.4	351.4	343.2	334.1	328.2	321.0	313.5	310.7
26	281.7	294.8	302.1	311.4	319.4	329.4	339.4	349.2	351.1
43	555.9	523.8	508.4	494.8	478.4	467.7	455.6	441.6	434.0
44	388.6	413.1	425.2	438.9	450.9	468.3	483.2	499.4	501.6
67	362.5	344.6	334.8	327.3	318.4	312.7	306.8	300.7	298.9
68	277.6	289.2	294.7	303.1	311.4	321.9	332.1	339.2	343.1
85	630.6	600.2	584.6	571.8	554.9	542.2	529.2	513.5	505.0
86	459.0	480.5	491.3	505.1	514.9	529.7	541.4	550.9	554.8
87	493.3	479.3	473.3	467.7	460.2	456.6	450.3	442.6	436.9
88	413.6	427.9	435.3	443.5	448.4	458.5	466.8	471.0	472.5
89	290.5	292.6	293.6	295.4	294.6	295.1	295.5	294.5	293.4
90	289.5	290.7	292.6	294.5	294.4	296.5	299.4	298.8	296.3
91	291.3	290.9	292.7	293.3	293.4	294.6	296.9	295.5	293.4
921	567.6	570.7	571.0	572.8	569.9	574.6	575.9	575.1	573.1

Table XIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 60 Pi	R: 59 Pi	R: 58 Pi	R: 57 Pi	R: 56 Pi	R: 55 Pi	R: 54 Pi	R: 53 Pi	R: 52 Pi
922	442.9	442.4	442.9	444.2	443.1	446.8	450.0	449.8	447.7
93	347.9	348.6	349.7	351.1	350.2	351.8	353.2	352.4	351.0
94	432.4	435.9	437.1	439.0	438.9	442.8	446.6	448.2	446.8
95	294.5	293.1	292.4	293.8	293.3	297.6	300.0	300.6	299.5
125	429.3	404.6	393.6	383.9	371.1	363.4	354.7	343.8	335.3
126	309.9	328.2	338.3	348.4	356.6	368.8	380.9	394.4	395.7
128	679.3	678.4	676.7	679.1	676.9	681.2	683.1	684.1	679.5
132	286.0	288.7	289.5	289.7	288.4	290.3	293.3	293.7	292.5
201	943.0	947.4	947.9	951.4	951.3	957.9	958.3	955.8	948.5
202	1022.7	1027.4	1028.5	1031.8	1032.0	1039.4	1040.0	1037.6	1029.8
203	1053.5	1058.7	1060.4	1064.6	1063.7	1071.4	1073.3	1070.5	1062.3
204	1029.0	1035.8	1036.4	1039.8	1039.2	1045.9	1048.8	1046.5	1037.3
205	945.9	951.1	954.2	956.5	956.0	962.5	965.1	962.7	955.1
206	838.5	842.8	844.6	848.1	846.5	852.4	854.4	851.8	846.7
207	742.1	746.2	746.9	750.7	749.4	755.2	758.2	754.9	751.0
208	673.8	676.9	678.3	681.0	679.6	685.0	686.7	685.3	681.3
209	942.8	920.8	907.6	896.7	880.9	874.2	863.0	846.5	833.7
210	1002.4	985.0	976.8	969.5	955.9	952.8	944.4	930.6	919.8
211	1036.4	1030.1	1027.1	1024.7	1015.9	1018.2	1015.3	1006.5	996.1
212	974.1	990.1	998.6	1007.3	1011.9	1024.7	1034.0	1037.7	1033.8
213	889.4	914.9	926.6	940.7	949.4	965.7	980.9	988.9	989.6
214	785.5	817.2	832.7	849.6	862.5	882.9	900.3	911.6	915.0
215	560.3	559.0	556.7	558.8	556.5	560.2	559.7	557.5	554.4
216	612.5	584.3	569.5	557.6	541.2	531.3	518.2	503.7	494.1
217	458.0	483.9	498.3	513.7	525.7	541.3	556.9	571.0	575.0
218	447.7	447.7	446.1	445.8	444.2	446.3	446.9	444.9	442.0
219	429.2	406.6	396.3	386.7	375.8	369.3	361.1	352.5	348.5
220	315.3	329.7	336.0	345.3	352.5	364.6	373.9	384.8	388.4
221	381.5	362.9	354.1	347.3	339.5	336.0	329.5	325.3	320.9
222	308.4	315.2	318.9	324.1	327.9	336.7	343.9	351.8	353.6
223	365.6	348.6	340.8	334.3	326.2	323.0	317.7	312.7	309.2
224	298.1	303.2	305.8	310.7	315.5	324.6	331.1	338.1	341.1
225	482.1	486.5	486.4	488.4	487.2	490.3	493.2	492.7	490.4
226	685.6	687.4	688.9	691.9	689.7	696.5	698.6	697.3	694.6
227	756.1	760.0	760.6	763.8	761.5	768.0	771.9	769.8	767.2
228	838.6	843.7	844.5	847.9	844.8	852.5	854.1	852.3	848.5

Table XIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 60 Pi	R: 59 Pi	R: 58 Pi	R: 57 Pi	R: 56 Pi	R: 55 Pi	R: 54 Pi	R: 53 Pi	R: 52 Pi
229	537.3	540.1	540.1	543.7	540.7	544.9	549.6	546.4	542.8
230	301.2	305.7	307.1	308.7	308.7	311.6	313.2	313.0	312.2
231	757.8	725.1	709.9	695.2	677.2	666.4	652.8	635.4	625.6
232	881.9	855.6	841.4	829.5	811.4	803.5	791.6	776.2	765.5
233	704.4	735.1	749.0	766.2	779.3	798.9	818.3	832.0	835.3
234	570.1	602.6	618.8	635.5	649.8	670.7	688.9	705.8	710.6
235	414.8	396.9	388.3	382.2	373.3	369.7	364.0	357.4	351.6
236	356.1	350.1	346.3	344.0	339.3	338.1	336.4	332.4	327.9
237	306.7	306.7	306.5	305.4	304.7	305.9	306.0	306.7	307.3
238	305.5	306.2	305.7	307.2	303.8	304.8	306.1	305.3	302.9
239	294.9	296.9	295.6	295.3	293.2	294.8	295.8	296.8	295.9
240	262.1	265.2	264.5	265.3	265.3	268.7	276.0	282.9	279.9
241	263.2	267.7	268.6	272.1	274.2	276.2	278.0	280.3	279.8
242	139.0	148.4	149.4	151.3	151.5	153.5	153.2	154.3	154.0
243	242.4	242.2	242.7	246.8	245.0	248.7	248.1	249.5	246.2
244	455.5	460.7	460.8	461.7	461.4	465.0	467.2	465.4	465.0
245	461.5	466.4	467.3	469.1	466.7	469.9	473.0	473.0	469.6
246	457.5	426.9	412.8	398.6	383.7	373.2	364.6	355.9	351.2
247	428.0	409.7	400.0	390.6	381.6	374.8	365.0	355.5	349.7
248	407.2	387.2	376.1	366.8	356.8	349.6	339.6	330.2	321.7
249	296.4	312.1	319.2	328.5	336.5	347.8	358.8	368.4	371.4
250	402.0	373.6	358.4	345.1	327.3	314.8	299.3	282.5	273.9
251	289.6	275.9	269.8	263.5	256.8	252.5	248.2	242.2	238.4
252	553.8	555.2	557.5	557.9	557.7	561.3	565.2	563.9	560.5

Table XV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 827	R: 828	R: 829	R: 830	R: 831	R: 832	R: 833	R: 834	R: 835	R: 836	R: 837	R: 838	R: 839	R: 840
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	582.1	620.0	660.0	699.4	740.5	779.1	823.0	863.5	910.6	955.6	1005.3	1051.8	1099.7	1146.0
3	728.1	737.7	742.1	747.7	750.8	753.6	754.8	756.9	752.1	748.7	745.4	739.6	732.1	724.5
4	733.9	749.8	754.4	757.6	765.2	774.2	775.1	766.2	767.2	760.2	756.5	748.3	739.1	726.6
5	747.1	756.5	759.9	748.2	743.3	739.8	737.2	735.8	729.9	724.3	718.1	712.2	702.0	689.6
6	752.2	751.7	751.5	753.0	751.6	747.2	752.0	738.8	733.7	726.3	715.6	708.3	696.1	679.8
7	757.7	753.9	748.5	741.1	735.8	729.7	720.3	714.7	704.5	695.8	683.0	676.3	668.8	653.4
8	768.3	765.7	761.2	756.3	749.6	741.1	735.2	724.5	719.0	707.4	693.4	687.3	673.1	659.3
9	846.7	803.9	767.4	726.8	683.0	645.6	605.9	573.3	538.5	505.8	478.9	449.0	421.5	398.3
10	496.6	531.3	566.6	603.1	638.2	676.2	718.7	760.9	806.6	850.0	894.0	942.3	988.6	1033.3
11	646.5	668.3	669.8	663.5	665.1	665.1	664.9	664.7	662.5	657.6	650.4	645.1	635.0	620.7
12	637.7	646.2	651.6	654.7	660.1	660.9	660.8	660.7	659.4	655.4	645.9	638.1	626.4	616.0
13	648.5	659.2	659.9	663.3	658.5	658.1	656.2	654.8	653.7	649.5	646.0	642.5	637.9	633.3
14	641.9	648.4	649.3	653.4	653.0	655.9	660.0	654.8	653.4	649.5	643.9	638.6	629.4	623.1
15	671.6	673.0	669.4	667.2	665.4	655.8	649.0	646.7	640.7	632.6	623.2	612.8	601.9	600.5
16	650.9	651.9	649.0	647.1	642.7	641.0	638.2	634.1	629.0	623.1	615.1	607.0	599.4	593.9
17	890.0	842.1	823.4	782.0	739.1	702.5	662.4	628.6	594.8	558.4	528.0	500.8	469.9	438.2
19	586.0	589.9	596.0	593.5	593.1	588.1	583.9	587.6	583.0	576.9	570.9	569.5	566.3	567.5
20	587.8	588.9	587.0	579.8	583.2	576.2	575.4	579.5	576.4	570.3	565.6	567.6	565.9	564.7
21	563.2	570.1	572.4	574.8	579.1	568.9	573.6	575.4	573.8	571.9	566.3	558.7	550.1	540.2
22	554.7	560.0	559.0	561.4	562.0	566.2	563.7	567.3	571.7	571.3	567.0	560.1	551.5	537.7
23	493.1	494.4	492.5	497.1	495.2	491.3	491.1	492.6	495.6	493.5	491.7	487.7	490.8	497.1
24	506.0	509.0	510.7	512.1	513.0	513.3	510.6	506.8	505.2	499.1	493.6	487.2	488.8	490.0
25	482.7	483.1	481.8	485.4	490.6	489.9	485.6	483.0	478.3	475.3	471.2	462.4	460.1	455.8
26	481.2	483.4	484.5	486.3	490.6	487.7	485.2	481.8	478.2	477.2	472.6	467.0	461.9	457.2
43	657.3	677.3	672.6	683.6	695.5	700.2	705.8	708.1	711.1	710.3	708.4	708.3	703.9	694.0
44	624.6	645.0	652.2	665.2	675.0	688.1	689.7	694.1	699.8	701.2	695.8	688.7	680.4	669.0
67	458.2	464.3	471.5	476.7	478.3	477.8	474.8	474.2	472.6	471.0	468.7	465.1	460.5	463.5
68	461.7	470.7	478.4	481.1	482.4	482.3	483.8	485.5	487.8	486.6	481.3	476.1	471.7	469.3
85	792.1	798.9	799.8	800.7	801.4	799.5	799.4	796.5	789.2	780.3	769.7	762.2	753.9	738.9
86	805.9	811.5	817.2	816.5	821.5	821.7	822.8	814.0	810.0	802.3	794.3	782.3	767.1	752.8
87	643.9	676.1	707.3	740.7	771.4	807.2	831.6	861.0	891.6	919.3	946.8	974.9	999.8	1026.3
88	644.4	679.0	709.3	742.6	776.8	804.6	835.4	864.5	899.1	927.5	954.5	982.0	1011.5	1037.5
89	414.8	434.5	456.9	479.8	504.3	532.2	563.7	597.7	632.2	667.5	701.7	738.3	785.8	819.6
90	414.2	437.5	457.0	478.5	508.7	537.2	569.7	603.7	637.2	670.5	707.8	739.7	784.6	820.4
91	417.3	438.8	458.1	480.0	504.1	535.6	565.4	600.6	635.3	671.7	708.9	741.6	793.6	832.2
921	893.9	850.8	813.7	764.8	718.1	679.9	640.1	604.5	566.7	530.5	501.0	469.5	441.7	412.5

Table XV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 827 Pi	R: 828 Pi	R: 829 Pi	R: 830 Pi	R: 831 Pi	R: 832 Pi	R: 833 Pi	R: 834 Pi	R: 835 Pi	R: 836 Pi	R: 837 Pi	R: 838 Pi	R: 839 Pi	R: 840 Pi
922	622.9	657.8	698.0	743.8	782.9	832.6	883.5	929.1	979.6	1028.9	1077.0	1128.6	1169.4	1213.4
93	488.2	524.5	558.5	592.9	630.3	668.8	709.2	748.5	793.6	832.1	874.7	922.5	971.2	1017.7
94	618.1	653.2	696.8	738.3	787.0	838.8	882.6	924.9	974.6	1020.4	1066.7	1113.2	1157.9	1202.2
95	420.7	446.7	473.0	496.8	525.9	557.7	588.3	624.0	659.6	696.7	740.3	784.6	824.2	865.7
125	526.9	532.7	530.9	532.2	532.7	528.2	525.2	517.6	507.7	494.8	477.0	464.1	457.5	451.6
126	541.7	544.8	547.0	550.0	547.4	544.0	538.9	531.1	522.7	510.0	497.6	482.8	468.8	463.4
128	1054.3	1004.7	951.6	900.4	855.6	812.9	771.9	737.1	700.7	666.2	634.0	610.9	591.5	574.2
132	427.6	427.2	432.9	443.3	458.1	478.5	501.9	537.2	563.3	581.9	624.7	659.7	777.6	1046.6
201	1442.9	1411.6	1375.8	1329.4	1290.5	1243.5	1193.1	1147.3	1092.7	1041.5	985.0	934.6	883.0	830.4
202	1543.7	1530.5	1505.9	1480.5	1456.3	1423.1	1388.1	1352.9	1312.5	1270.9	1226.7	1185.2	1138.2	1092.8
203	1571.7	1578.0	1573.6	1560.6	1543.7	1534.9	1505.7	1484.2	1457.9	1431.2	1394.0	1358.5	1313.5	1269.3
204	1515.7	1529.7	1546.0	1560.8	1570.4	1576.0	1573.9	1568.5	1558.4	1543.7	1516.8	1502.8	1461.4	1438.9
205	1376.6	1416.0	1448.2	1474.3	1499.9	1522.8	1543.7	1559.4	1570.3	1574.5	1575.6	1576.8	1561.8	1547.3
206	1207.7	1253.5	1293.7	1334.1	1375.0	1412.3	1447.7	1478.1	1504.1	1526.3	1534.7	1554.6	1565.0	1570.0
207	1059.7	1108.2	1154.1	1198.2	1244.4	1285.2	1327.5	1368.0	1406.1	1439.0	1467.9	1501.0	1515.8	1534.3
208	960.5	1006.1	1050.9	1096.9	1141.7	1189.6	1231.2	1274.9	1319.2	1358.8	1394.0	1432.4	1455.5	1483.7
209	1276.8	1284.2	1290.2	1288.4	1288.9	1289.3	1280.5	1270.5	1256.8	1238.3	1220.5	1200.8	1171.0	1144.6
210	1386.4	1395.9	1403.5	1412.7	1420.3	1418.3	1415.0	1406.5	1395.1	1379.8	1359.1	1339.8	1307.3	1279.4
211	1476.7	1499.6	1510.9	1516.6	1525.7	1528.5	1514.5	1521.9	1499.3	1498.1	1476.4	1457.6	1423.5	1395.4
212	1485.5	1510.4	1524.0	1531.2	1539.8	1543.8	1542.9	1536.4	1524.7	1509.3	1481.0	1456.5	1436.8	1405.8
213	1408.2	1420.1	1436.0	1440.2	1448.2	1449.9	1443.1	1434.2	1424.6	1399.4	1386.8	1368.9	1338.4	1307.2
214	1290.2	1303.2	1309.3	1310.1	1313.2	1302.9	1301.3	1290.4	1277.1	1259.6	1242.0	1223.1	1191.8	1166.7
215	871.0	825.7	780.2	739.2	698.2	658.9	621.7	587.3	551.4	518.2	486.5	460.4	431.0	405.0
216	768.7	776.0	786.8	794.7	800.1	805.5	806.8	808.6	804.3	801.6	796.2	787.8	782.1	770.8
217	785.0	798.6	806.9	814.7	820.9	826.4	834.7	826.0	825.0	819.2	812.0	801.1	785.5	771.5
218	623.7	658.6	700.5	741.2	783.7	833.4	881.3	925.4	975.4	1022.1	1070.9	1114.3	1162.3	1201.1
219	546.3	550.5	556.1	562.3	573.0	575.7	573.2	571.8	566.0	561.0	555.2	550.9	542.3	528.2
220	530.5	538.7	546.1	552.7	563.3	565.4	569.0	568.4	564.5	560.1	553.8	545.6	536.8	526.3
221	515.7	496.2	484.2	484.7	485.4	486.9	486.4	488.0	486.1	483.6	480.9	475.7	475.4	472.2
222	517.8	495.8	482.8	481.5	486.3	488.0	491.0	490.5	486.7	480.7	476.2	469.9	464.0	463.9
223	498.3	477.9	470.4	473.4	478.7	481.1	478.8	477.0	472.7	470.5	466.7	466.6	456.7	451.4
224	501.6	476.4	467.6	474.4	476.1	478.9	477.1	473.2	470.0	467.4	462.9	457.8	453.6	454.4
225	754.1	713.9	678.4	646.2	614.6	584.2	552.9	525.8	498.0	473.2	451.6	428.2	405.0	386.7
226	1075.2	1034.2	990.4	943.8	899.2	852.2	806.4	764.8	727.1	691.6	657.5	620.1	586.7	549.5
227	1178.4	1134.1	1089.6	1045.8	1000.6	952.6	905.2	858.6	806.5	756.0	707.7	668.0	629.1	587.8
228	1298.6	1260.1	1214.1	1164.7	1113.0	1062.7	1008.2	960.0	897.1	842.8	772.8	709.3	659.8	608.5

Table XV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 827	R: 828	R: 829	R: 830	R: 831	R: 832	R: 833	R: 834	R: 835	R: 836	R: 837	R: 838	R: 839	R: 840
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	759.5	803.0	848.3	892.9	940.1	986.1	1031.5	1079.9	1131.0	1174.9	1219.0	1268.5	1305.9	1343.4
230	437.5	460.5	485.5	514.4	542.4	578.2	612.2	649.0	689.0	728.9	773.6	813.4	860.5	904.9
231	982.7	986.3	984.5	983.4	977.6	970.4	962.4	951.3	939.9	925.6	911.3	894.9	875.5	859.4
232	1179.8	1184.1	1186.0	1185.2	1181.2	1172.1	1166.8	1154.2	1140.7	1120.8	1100.1	1083.2	1055.0	1029.3
233	1176.7	1184.1	1184.9	1181.4	1181.9	1173.2	1163.5	1154.8	1140.5	1120.4	1103.7	1084.4	1056.9	1032.9
234	989.5	990.8	988.8	985.3	984.2	976.3	968.6	955.6	946.1	932.1	916.5	897.9	879.5	860.5
235	516.3	538.0	556.6	571.0	579.5	586.2	592.3	599.0	599.5	592.3	590.4	582.5	573.6	565.8
236	467.8	496.5	520.8	546.3	571.3	594.5	611.7	631.8	647.7	663.4	674.2	690.9	710.8	722.6
237	422.8	450.5	477.6	507.7	538.8	571.4	599.2	629.8	663.7	696.5	729.9	770.4	807.3	844.2
238	427.2	458.0	478.1	502.4	531.8	565.1	597.2	631.1	666.3	700.7	741.6	784.5	824.7	865.1
239	420.8	444.6	469.2	494.5	522.4	555.0	587.7	619.3	657.6	695.1	738.1	781.6	824.1	865.3
240	373.0	387.3	400.4	419.3	446.1	466.0	489.4	510.6	539.6	572.6	610.1	652.2	693.8	734.5
241	379.4	408.0	436.7	463.7	485.8	508.3	521.2	539.6	557.0	564.0	579.2	594.1	605.1	613.0
242	239.0	222.4	208.6	195.1	182.5	171.5	160.2	151.9	153.2	139.0	130.2	125.4	122.9	122.9
243	386.5	369.3	350.4	334.0	319.4	305.3	290.2	274.8	258.9	245.1	232.0	222.9	214.8	207.3
244	723.0	684.6	648.9	618.9	586.5	558.1	531.6	507.7	486.4	468.9	453.6	437.1	421.4	407.3
245	726.8	687.1	655.4	623.0	593.4	565.5	537.5	511.7	485.8	463.0	445.1	426.8	411.3	400.9
246	604.9	604.2	599.5	595.3	595.5	596.0	593.7	590.5	583.7	577.6	572.8	564.2	559.1	552.9
247	540.5	557.0	566.5	568.3	570.1	569.9	568.6	563.1	554.9	552.8	544.4	533.7	521.7	506.9
248	505.3	505.6	503.3	502.5	500.0	496.5	491.4	488.0	485.0	482.5	474.8	462.1	456.4	451.3
249	512.9	516.5	516.0	514.9	514.4	509.0	504.7	498.2	493.3	485.5	473.6	460.1	455.9	451.0
250	423.0	459.5	491.4	520.7	539.6	552.3	551.3	544.1	530.0	508.3	470.2	406.2	373.9	355.5
251	361.7	376.8	388.2	396.5	400.1	399.0	390.9	374.4	364.6	362.5	361.2	358.6	353.8	429.7
252	772.5	826.0	870.6	919.3	971.7	1017.2	1066.8	1111.9	1163.7	1212.8	1253.9	1302.4	1330.4	1373.8

Table XVI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 993	R: 994	R: 995	R: 996	R: 997	R: 998	R: 999	R: 1000	R: 1001	R: 1002	R: 1003	R: 1004	R: 1005	R: 1006
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	396.4	422.2	447.9	474.1	502.8	527.8	556.2	584.4	615.1	644.9	676.7	707.3	739.3	769.9
3	495.9	500.6	505.8	507.7	509.6	512.2	513.7	512.5	511.5	509.3	505.4	500.9	497.4	491.8
4	500.9	504.9	509.8	515.4	518.9	520.4	521.1	520.8	518.5	515.6	511.7	507.2	501.4	493.6
5	508.2	506.6	507.3	507.9	505.5	503.9	502.0	499.0	497.3	493.4	487.1	485.4	477.6	469.4
6	510.0	510.4	511.0	510.0	509.6	507.9	504.9	500.4	497.6	491.0	485.9	478.3	470.8	462.4
7	517.7	512.2	510.3	505.4	501.2	497.1	491.9	485.4	478.8	473.1	467.1	463.1	454.6	447.1
8	522.9	519.0	515.6	512.9	509.5	504.2	498.7	493.4	486.9	479.7	472.4	464.9	458.7	449.0
9	576.3	545.0	516.0	487.1	460.4	434.8	408.9	385.7	363.5	343.4	323.2	305.3	288.2	272.1
10	339.2	363.2	385.9	409.8	434.4	459.9	487.1	513.9	544.5	572.9	601.8	634.2	663.2	694.3
11	442.0	446.4	449.4	451.7	454.7	454.2	453.3	454.0	453.1	448.8	445.4	441.3	433.8	425.7
12	434.6	439.1	442.9	445.0	447.6	448.1	448.9	448.6	446.7	444.0	439.7	433.3	427.6	422.2
13	443.7	446.4	447.7	447.4	448.2	447.1	446.8	446.3	445.1	442.9	440.6	437.4	432.7	428.4
14	437.3	439.3	441.3	442.0	443.4	444.1	444.8	442.7	443.2	439.9	436.7	431.4	427.9	424.0
15	457.9	457.5	455.9	452.2	449.8	446.0	442.6	439.1	435.9	431.4	424.3	417.6	411.1	405.3
16	443.0	443.4	440.6	438.4	436.5	435.1	431.6	429.5	426.1	420.6	417.6	411.5	407.0	404.1
17	605.3	572.0	541.1	512.0	483.5	456.9	429.6	407.3	382.9	360.8	351.3	341.3	322.1	301.9
19	402.4	403.2	403.4	400.7	400.6	399.6	395.8	395.6	395.8	391.0	388.7	385.3	388.4	385.4
20	401.8	399.3	398.6	398.6	397.4	392.3	393.2	392.5	390.6	388.1	385.0	384.7	383.2	382.0
21	383.4	385.9	389.4	390.1	386.8	387.7	391.2	391.9	389.8	387.3	384.3	382.9	376.3	368.5
22	378.1	379.9	380.0	378.3	378.2	382.0	379.6	386.2	387.4	386.9	382.9	379.5	375.2	366.0
23	337.3	336.6	336.4	337.7	336.5	334.8	336.0	338.1	338.8	337.6	334.7	332.7	331.3	337.3
24	343.7	344.5	346.3	347.4	348.8	348.0	348.3	346.0	342.7	338.3	333.6	329.4	329.4	332.0
25	331.1	330.6	330.6	332.5	335.4	333.8	333.2	329.3	327.9	324.8	321.1	316.9	315.1	312.9
26	329.2	329.1	329.6	332.7	334.6	333.3	330.8	327.1	326.0	323.2	320.3	315.2	313.0	309.3
43	439.2	448.3	457.9	465.7	471.8	476.6	479.7	482.7	484.2	482.1	481.3	481.1	479.6	473.2
44	424.9	434.7	442.6	450.8	458.2	463.1	466.4	471.1	472.3	471.1	469.7	467.2	460.0	453.2
67	314.6	319.2	321.8	325.9	327.1	329.0	327.2	324.2	323.6	321.2	318.8	317.3	315.2	315.5
68	314.7	320.5	324.2	326.3	327.2	327.6	328.7	329.6	330.3	328.9	324.8	321.8	318.3	317.0
85	540.6	541.0	542.8	544.8	545.9	544.5	542.5	542.1	537.9	529.6	523.5	519.5	512.2	503.7
86	548.8	551.2	554.0	555.3	556.6	556.6	555.6	553.0	548.5	543.0	536.8	528.1	519.5	509.8
87	439.6	460.3	480.7	503.3	524.3	545.1	564.4	585.4	603.4	622.4	639.8	658.7	675.5	692.1
88	438.6	460.5	482.7	503.9	524.9	547.2	566.3	586.7	608.2	627.1	644.7	662.0	680.0	697.6
89	283.6	296.2	309.8	324.3	343.6	364.8	384.9	403.6	428.3	450.3	471.8	497.9	526.5	551.4
90	284.4	300.0	314.6	329.2	346.6	368.5	387.5	408.0	430.5	451.3	475.7	499.0	526.5	552.6
91	284.0	298.1	313.8	328.7	346.9	365.6	385.3	405.7	429.0	451.1	475.1	500.4	530.3	556.1
921	607.3	577.0	546.9	514.9	485.0	458.4	433.1	408.5	383.2	359.0	338.3	319.1	300.9	282.6

Table XVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 993	R: 994	R: 995	R: 996	R: 997	R: 998	R: 999	R: 1000	R: 1001	R: 1002	R: 1003	R: 1004	R: 1005	R: 1006	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	425.8	448.6	476.5	503.1	530.6	565.0	599.0	629.3	662.9	694.3	729.2	758.0	789.4	818.8	
93	335.0	357.6	379.6	403.1	427.7	453.4	480.2	505.2	534.9	561.5	589.6	621.1	652.8	682.9	
94	421.0	445.2	474.7	502.6	534.0	568.9	598.8	628.1	659.2	688.1	719.4	749.1	779.8	808.0	
95	289.4	305.5	321.4	338.7	356.7	377.9	399.4	422.2	446.6	469.4	497.6	527.0	554.5	583.1	
125	359.0	360.5	362.4	363.7	362.8	360.6	356.9	352.6	344.8	335.3	325.2	318.6	312.8	308.4	
126	369.0	370.3	370.9	372.2	372.5	370.3	366.7	361.3	355.0	346.1	337.1	327.9	319.6	315.0	
128	715.8	679.6	645.3	612.2	581.8	554.5	527.1	506.7	483.5	463.0	440.2	420.2	407.3	392.8	
132	294.0	294.6	298.3	305.4	315.2	329.4	343.0	368.6	379.1	395.9	422.6	446.1	663.5	702.6	
201	980.2	956.9	931.2	903.7	874.8	844.5	811.3	779.8	745.3	706.8	672.1	637.6	603.6	571.1	
202	1050.4	1036.5	1021.6	1005.8	986.4	965.4	942.2	918.9	890.5	860.8	832.7	802.0	772.4	744.4	
203	1070.3	1069.2	1065.6	1060.1	1052.5	1040.9	1027.8	1012.7	994.5	968.8	945.8	919.2	892.8	863.7	
204	1033.3	1044.8	1054.4	1061.3	1066.4	1067.7	1066.9	1064.9	1059.0	1045.4	1031.8	1015.9	998.8	977.7	
205	937.8	961.3	981.4	1001.7	1019.6	1034.0	1046.6	1057.4	1065.8	1064.5	1065.9	1063.3	1058.6	1049.3	
206	821.6	850.0	879.6	906.9	932.3	956.4	979.4	1001.9	1021.1	1031.6	1044.1	1054.5	1060.9	1063.9	
207	723.1	754.0	783.9	813.1	842.7	871.9	899.9	926.9	953.2	971.2	991.9	1010.3	1024.9	1038.1	
208	655.2	683.7	713.4	745.5	773.2	803.3	833.8	864.5	892.6	915.9	940.1	962.7	984.1	1002.7	
209	868.4	872.2	874.9	876.0	876.0	872.2	869.1	862.5	852.1	838.3	826.4	812.7	795.4	777.7	
210	944.3	951.7	956.2	959.4	962.2	961.2	959.1	953.7	946.7	933.8	921.1	906.1	888.9	870.4	
211	1007.3	1016.7	1024.7	1031.3	1035.6	1036.2	1035.7	1033.7	1027.0	1013.4	1000.2	985.7	968.2	949.1	
212	1013.3	1024.7	1033.6	1040.4	1045.6	1047.1	1046.0	1043.0	1036.0	1021.1	1010.3	994.5	975.5	954.8	
213	959.1	966.9	973.0	978.8	981.5	980.0	978.4	973.7	965.8	950.4	937.9	923.4	906.2	887.4	
214	879.5	883.3	886.9	889.6	890.5	886.2	882.0	875.4	867.7	853.5	840.2	825.9	807.7	789.9	
215	592.1	561.0	530.7	503.5	473.9	447.6	422.0	398.1	374.5	351.9	331.4	312.3	294.2	277.6	
216	527.2	531.0	536.3	539.4	543.7	547.6	550.6	549.7	548.2	544.1	540.6	538.2	531.2	525.1	
217	533.9	540.5	546.1	552.6	557.2	559.9	561.4	560.8	558.6	554.1	549.1	540.7	533.3	523.9	
218	424.5	449.1	476.6	504.2	531.6	566.2	597.5	627.3	658.6	688.2	719.8	751.4	781.0	808.9	
219	368.2	375.9	380.8	384.4	387.3	388.2	388.2	386.2	382.8	381.3	375.3	371.7	368.6	359.8	
220	362.0	366.7	371.4	376.1	381.3	383.4	386.6	384.0	382.8	380.4	375.8	368.8	362.9	357.7	
221	353.7	338.6	331.5	331.1	330.7	331.3	332.2	332.7	332.3	329.3	327.0	326.3	325.1	322.3	
222	354.2	337.4	328.3	327.2	330.4	331.4	333.0	331.4	329.1	324.5	319.9	317.0	315.5	316.0	
223	340.9	328.1	323.8	325.7	328.7	327.1	327.7	326.1	323.8	321.6	321.5	319.3	312.3	310.9	
224	342.9	326.1	319.7	322.7	323.2	323.0	322.3	321.4	317.4	316.0	312.6	311.1	309.6	309.3	
225	513.2	487.5	462.2	439.9	418.2	397.5	377.6	359.1	340.6	322.6	307.0	291.8	279.2	266.9	
226	731.1	699.3	667.8	636.0	606.0	575.2	546.2	518.8	490.8	469.6	447.7	422.7	400.3	375.3	
227	801.1	769.9	739.3	707.8	676.9	645.7	614.9	584.9	549.8	516.7	485.1	455.5	430.1	403.4	
228	884.5	853.6	822.4	789.0	757.1	721.1	687.3	651.3	611.6	573.5	534.0	487.9	451.7	418.2	

Table XVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 993	R: 994	R: 995	R: 996	R: 997	R: 998	R: 999	R: 1000	R: 1001	R: 1002	R: 1003	R: 1004	R: 1005	R: 1006
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	516.7	545.9	575.2	603.0	635.4	666.6	699.6	731.4	763.8	793.1	823.3	852.6	881.1	906.4
230	296.8	314.0	332.1	350.5	370.3	392.7	417.5	440.6	467.0	490.8	519.2	546.9	576.8	605.3
231	669.3	667.6	666.9	666.0	661.6	656.8	652.9	645.4	636.9	627.5	617.4	607.1	595.5	585.2
232	801.6	803.5	803.0	803.8	800.4	795.2	790.9	783.3	771.7	759.9	746.1	733.4	716.5	701.7
233	798.4	802.2	802.6	800.7	799.1	794.4	789.4	781.9	771.4	759.3	746.2	732.3	716.6	701.0
234	672.7	670.7	669.0	667.9	665.9	660.0	655.4	650.7	640.0	630.2	619.2	609.8	597.1	583.8
235	353.0	367.7	377.0	385.5	392.5	399.4	401.4	405.3	407.3	404.6	400.8	397.9	390.8	383.1
236	320.4	339.3	354.3	373.2	388.3	403.2	416.2	429.6	440.2	448.4	455.9	469.1	483.3	493.2
237	290.3	308.9	326.1	347.2	367.5	388.0	407.8	425.5	446.6	469.1	495.5	520.2	543.9	569.9
238	291.3	308.1	325.9	344.6	364.3	385.7	406.4	428.7	452.9	474.4	498.3	527.5	555.0	582.1
239	288.0	304.9	320.5	339.0	358.0	378.7	398.8	421.3	445.8	469.2	498.2	523.7	553.4	583.8
240	256.0	266.8	277.5	289.3	303.6	317.1	333.4	349.4	367.5	387.4	411.0	434.9	460.0	489.9
241	257.7	279.0	299.6	315.3	329.9	341.9	353.9	366.4	374.7	380.6	395.8	403.9	406.7	418.1
242	163.6	153.2	143.4	134.9	126.5	118.4	112.1	106.2	103.3	98.4	91.1	88.9	89.0	89.4
243	262.3	249.2	237.3	225.7	215.6	205.3	195.3	186.1	175.6	167.2	159.3	154.0	148.1	141.6
244	491.3	465.1	441.2	420.3	400.6	380.4	362.8	347.2	331.8	319.4	309.4	299.1	288.3	279.7
245	493.5	467.2	444.2	422.6	402.7	383.9	365.8	348.3	331.4	315.7	301.8	290.6	281.9	275.3
246	410.8	411.2	409.5	407.9	406.3	404.7	403.2	399.9	397.2	393.8	388.5	384.8	379.9	377.7
247	367.8	377.1	384.9	387.4	387.9	389.7	387.7	385.9	383.4	376.8	368.8	364.8	356.5	345.5
248	343.6	344.5	342.8	340.9	341.2	339.4	336.8	332.7	331.7	329.5	322.8	316.9	311.1	308.9
249	351.3	352.6	352.5	352.3	350.5	347.6	344.9	340.9	337.5	330.7	322.5	315.6	310.5	306.1
250	290.8	314.6	336.9	356.8	370.0	377.5	379.6	372.2	362.7	348.4	322.5	284.9	258.3	243.1
251	248.7	256.9	265.1	269.7	272.9	273.0	267.1	257.4	250.8	248.1	245.0	244.3	243.6	242.1
252	529.6	560.6	593.5	624.3	656.3	689.6	723.2	754.6	788.2	817.5	848.2	875.4	903.4	928.9

Table XVII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1008 Pi	R: 1009 Pi	R: 1010 Pi	R: 1011 Pi	R: 1012 Pi	R: 1013 Pi	R: 1014 Pi	R: 1015 Pi	R: 1016 Pi	R: 1017 Pi	R: 1018 Pi	R: 1019 Pi	R: 1020 Pi
2	553.4	552.8	554.2	554.4	556.5	557.7	556.2	557.3	557.5	559.4	560.6	559.4	556.6
3	605.0	574.8	557.1	543.2	528.8	521.7	515.6	510.2	504.8	492.3	478.9	461.2	435.1
4	444.0	469.4	479.7	493.3	508.7	514.9	522.5	529.5	537.9	553.5	570.3	587.3	618.6
5	593.2	563.2	546.0	531.8	516.9	510.5	503.8	499.8	495.1	481.8	467.1	449.7	425.5
6	431.2	456.9	465.0	478.6	493.1	499.6	505.6	513.0	520.0	536.8	552.3	570.6	600.3
7	578.3	550.1	532.7	520.8	506.5	500.1	492.5	489.8	483.8	472.7	457.7	442.9	416.6
8	424.1	450.9	460.2	473.1	487.3	493.5	499.7	506.7	514.4	530.2	545.5	563.8	590.2
9	412.1	411.5	411.5	413.1	410.9	411.0	411.3	413.4	414.3	415.2	415.6	412.7	411.0
10	484.9	485.6	483.4	484.9	487.6	488.3	488.1	488.5	488.7	487.5	487.6	488.0	489.0
11	533.5	502.6	490.1	476.4	465.9	460.8	455.0	449.2	446.0	430.3	412.7	404.6	382.5
12	378.1	401.1	411.3	422.4	434.5	442.9	449.9	455.4	460.6	475.1	491.9	505.1	539.9
13	526.0	496.5	482.1	470.4	458.5	453.8	448.8	444.5	438.1	422.7	406.5	400.2	375.7
14	374.3	397.9	407.6	418.4	430.6	438.6	444.0	450.6	458.5	470.9	484.7	498.6	532.4
15	519.0	489.8	478.2	465.7	453.1	450.0	445.2	440.4	433.8	417.9	402.9	397.0	374.5
16	366.2	387.1	396.8	407.6	418.2	426.2	431.9	438.3	445.0	458.0	473.9	487.4	522.4
17	423.3	428.8	430.7	433.3	433.5	432.2	431.8	433.4	433.4	436.0	433.6	432.4	425.0
19	467.4	444.5	431.0	422.7	411.1	404.0	399.0	391.7	386.1	382.4	370.6	357.4	335.1
20	342.3	356.0	364.6	377.4	385.6	388.7	393.1	397.0	403.6	416.1	428.9	442.3	465.1
21	446.3	431.2	418.3	405.5	395.3	398.2	393.5	388.1	382.1	368.4	359.2	351.3	338.5
22	334.2	352.8	356.9	361.7	371.4	376.8	380.7	387.7	390.0	398.3	405.3	418.9	436.4
23	403.3	378.4	365.4	358.2	346.6	341.2	337.1	336.8	334.2	325.5	320.0	316.4	306.8
24	314.1	319.7	325.9	336.3	343.2	345.2	349.5	352.7	356.0	367.8	377.4	387.6	406.6
25	384.6	366.9	353.4	346.6	342.2	337.2	333.9	328.9	325.2	320.9	316.9	310.9	298.0
26	292.8	309.7	309.4	313.8	321.5	326.9	331.6	334.2	337.7	344.1	352.8	363.7	377.2
43	560.3	531.5	517.4	505.5	492.3	487.6	482.5	476.8	469.0	455.4	438.9	428.4	401.5
44	394.0	420.3	429.1	439.0	454.2	461.6	467.1	474.1	480.7	495.1	507.6	522.4	555.3
67	381.2	361.5	350.8	341.5	337.3	331.0	327.5	324.7	320.0	314.3	310.8	302.8	289.0
68	292.1	307.7	306.9	313.7	321.7	325.5	328.9	332.2	336.2	341.3	348.9	361.9	377.5
85	637.0	603.9	589.3	573.9	560.8	554.1	544.8	538.1	534.0	521.9	503.4	484.9	459.1
86	473.7	499.1	509.3	526.6	541.5	549.2	555.9	563.0	569.9	584.2	600.1	616.3	647.4
87	620.1	601.0	591.0	583.0	574.0	571.8	567.4	563.4	560.0	551.7	538.9	527.8	508.4
88	511.4	529.9	536.5	547.8	559.2	562.8	566.3	571.7	576.6	586.7	594.9	606.2	623.7
89	396.4	392.7	392.9	390.1	388.3	387.6	384.7	383.6	383.3	385.1	384.0	379.3	374.1
90	370.8	379.6	379.4	385.8	388.6	389.2	388.7	386.9	387.5	388.6	390.2	392.3	393.5
91	384.1	385.8	388.6	388.6	387.9	387.7	386.1	385.8	384.8	383.8	385.4	387.1	384.4
921	430.1	432.3	431.4	431.0	430.9	432.8	434.2	435.1	434.6	436.9	436.2	436.0	433.9

Table XVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- face ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1008 Pi	R: 1009 Pi	R: 1010 Pi	R: 1011 Pi	R: 1012 Pi	R: 1013 Pi	R: 1014 Pi	R: 1015 Pi	R: 1016 Pi	R: 1017 Pi	R: 1018 Pi	R: 1019 Pi	R: 1020 Pi
922	593.3	594.9	593.3	595.8	598.7	600.3	599.5	600.0	602.1	602.1	605.5	601.8	604.2
93	477.7	477.8	476.1	478.6	480.2	480.6	481.5	482.2	480.4	481.2	481.9	481.0	483.3
94	588.0	590.6	591.7	594.8	597.3	598.0	599.2	600.5	601.2	603.8	606.1	605.9	607.2
95	393.9	397.6	398.9	397.5	399.3	399.1	400.7	400.6	400.4	399.4	398.1	397.4	397.3
125	416.9	401.5	386.8	374.2	369.9	363.9	358.6	354.6	349.6	343.9	333.8	327.9	317.8
126	327.4	336.2	345.1	350.3	359.0	361.1	367.4	370.6	374.1	382.9	390.6	401.6	423.0
128	538.6	529.6	524.4	528.3	531.4	530.2	529.5	529.5	528.2	527.2	519.7	511.0	519.5
132	339.2	345.4	343.0	350.0	347.1	348.1	345.2	343.8	343.9	343.0	341.6	346.7	340.7
201	808.3	814.2	812.6	812.5	813.6	813.5	813.7	813.0	814.3	813.8	813.6	811.3	806.3
202	936.2	942.8	941.0	943.4	943.8	943.0	943.4	943.4	944.2	942.3	943.0	940.0	933.0
203	1018.2	1026.8	1025.6	1027.5	1028.5	1028.7	1028.6	1029.7	1030.6	1026.6	1027.8	1023.9	1019.4
204	1057.5	1065.8	1064.1	1066.8	1067.7	1068.8	1067.5	1067.9	1068.1	1063.9	1066.2	1061.6	1057.3
205	1036.0	1045.6	1042.7	1045.6	1048.1	1048.7	1048.1	1047.4	1048.6	1044.4	1046.3	1042.0	1037.8
206	970.7	979.0	976.7	978.8	980.6	982.0	980.8	980.6	981.5	978.6	979.7	977.1	972.1
207	889.7	897.4	894.9	898.1	901.2	900.3	900.5	901.4	901.2	901.3	899.9	899.9	896.3
208	825.9	831.3	831.1	832.3	834.2	835.7	835.6	834.5	836.0	836.5	835.9	836.6	833.7
209	949.5	925.4	909.8	897.1	883.2	877.4	871.5	865.0	855.7	843.5	830.6	816.1	782.2
210	1018.2	1004.6	991.2	980.9	970.8	966.9	961.2	955.4	950.6	938.2	924.9	914.2	884.3
211	1062.8	1059.4	1051.4	1047.6	1042.8	1040.6	1037.6	1036.0	1032.1	1022.6	1018.3	1008.6	989.1
212	1000.1	1020.4	1025.3	1032.6	1039.4	1043.6	1046.6	1049.6	1053.1	1055.3	1061.8	1063.0	1071.2
213	905.1	932.8	942.8	954.7	967.1	972.6	977.9	984.4	989.0	998.8	1008.8	1019.0	1037.6
214	790.1	821.7	837.0	852.3	867.7	875.1	882.2	888.7	897.7	911.9	924.9	940.3	964.9
215	426.0	426.8	424.0	422.4	422.8	423.0	424.4	423.9	425.2	427.5	424.4	423.7	422.8
216	641.9	610.8	594.2	581.0	567.1	560.3	551.4	546.1	539.5	528.2	510.5	493.6	464.7
217	473.1	499.7	512.0	532.4	547.0	555.0	562.3	570.6	577.8	592.4	609.3	626.0	653.7
218	600.7	599.2	597.0	596.6	597.6	597.8	596.9	597.1	597.7	597.8	596.8	595.2	590.9
219	450.0	434.6	419.8	406.8	395.0	391.7	390.3	383.3	378.2	364.7	358.5	347.2	332.4
220	331.2	352.3	356.6	364.5	374.6	381.0	386.8	392.6	395.3	402.4	413.3	425.7	445.1
221	385.3	364.5	356.4	348.5	341.5	337.0	334.5	332.1	332.6	325.0	318.3	311.4	297.0
222	296.7	309.8	318.8	322.5	325.8	329.0	333.9	336.4	340.5	346.8	354.9	361.4	382.4
223	376.2	356.6	350.8	342.4	333.0	331.3	328.6	328.7	323.2	314.3	312.1	303.2	286.9
224	289.0	299.1	307.5	315.4	317.0	319.1	323.4	327.7	331.1	339.0	349.4	355.8	370.4
225	366.6	368.1	367.7	369.6	375.5	377.4	378.1	378.7	378.5	375.6	374.5	376.5	373.1
226	546.4	548.7	547.3	547.4	548.2	547.8	548.0	549.5	548.8	549.3	551.4	550.6	548.9
227	612.3	615.7	615.6	615.7	616.1	616.6	617.0	617.5	617.1	619.0	618.9	619.4	614.7
228	684.8	687.4	685.6	687.8	688.4	688.6	689.7	689.0	690.3	690.5	690.1	691.3	683.8

Table XVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1008 Pi	R: 1009 Pi	R: 1010 Pi	R: 1011 Pi	R: 1012 Pi	R: 1013 Pi	R: 1014 Pi	R: 1015 Pi	R: 1016 Pi	R: 1017 Pi	R: 1018 Pi	R: 1019 Pi	R: 1020 Pi
229	693.4	696.4	695.9	697.1	699.9	700.4	700.5	699.9	702.2	701.8	704.5	702.0	702.4
230	414.3	417.6	415.1	412.8	412.6	416.8	416.6	417.9	417.6	416.4	417.6	419.1	414.7
231	749.9	718.0	699.5	683.0	669.5	662.4	655.1	645.4	641.1	626.1	611.6	596.8	562.3
232	878.8	850.4	834.4	819.3	807.7	799.0	793.5	785.3	777.0	764.9	751.7	737.4	703.2
233	697.0	726.1	741.8	757.8	773.5	781.1	790.5	798.8	805.7	822.2	836.0	853.6	881.8
234	564.6	591.2	608.1	624.9	640.3	648.5	656.9	664.8	674.2	692.1	707.3	724.9	757.1
235	476.4	452.4	441.7	429.6	416.2	410.0	405.0	401.3	398.3	385.8	373.0	362.1	337.1
236	470.2	451.3	445.4	437.2	430.2	423.2	417.6	412.4	410.0	401.3	388.9	382.0	363.8
237	422.7	418.9	417.2	415.7	412.4	410.8	409.1	402.0	398.0	394.6	391.0	388.8	381.6
238	412.4	411.1	408.3	410.7	409.6	407.9	408.2	405.8	404.0	399.3	398.3	393.0	388.5
239	399.2	399.8	398.8	400.3	400.3	401.5	400.1	398.8	399.2	397.4	396.3	394.0	394.1
240	335.9	335.2	332.9	335.9	335.3	334.9	334.5	333.2	333.1	331.5	329.9	326.8	326.6
241	390.1	378.2	368.8	366.8	360.6	358.3	355.2	352.5	350.9	347.2	341.2	334.7	319.7
242	114.9	112.7	112.1	112.5	112.4	111.5	111.9	112.1	112.3	112.2	111.5	113.0	112.5
243	195.4	191.4	189.1	192.7	194.1	194.9	195.8	194.4	192.9	191.7	188.6	188.2	188.8
244	360.9	365.4	365.1	364.3	365.3	364.6	364.4	364.1	365.2	363.9	361.2	360.6	357.1
245	361.8	364.8	367.8	369.1	367.3	366.3	365.5	365.9	366.8	368.6	367.7	366.7	364.3
246	472.4	447.1	434.9	425.1	417.2	410.8	403.8	398.0	391.9	380.7	374.7	360.9	340.6
247	460.5	442.4	431.6	414.5	402.2	392.7	392.0	386.5	383.4	367.0	358.7	346.6	326.2
248	399.9	372.1	364.5	355.5	343.4	338.9	337.4	334.3	330.0	323.4	317.1	313.0	304.4
249	312.3	320.4	325.3	332.9	340.4	342.4	345.6	350.8	354.2	363.6	370.7	375.7	395.4
250	419.8	409.5	400.2	391.8	385.0	384.7	380.7	377.8	375.8	367.8	357.5	349.6	329.7
251	297.7	285.6	282.6	276.7	270.7	269.2	268.2	266.9	263.5	259.5	253.5	249.1	239.6
252	716.3	719.7	719.4	721.9	722.7	724.6	723.7	724.3	725.6	726.8	728.0	725.0	724.2

Table XVIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1022 Pi	R: 1023 Pi
2	616.6	617.6
3	511.9	485.5
4	519.3	557.3
5	497.5	472.1
6	497.0	531.6
7	480.2	453.5
8	487.7	520.6
9	364.3	366.6
10	544.7	543.8
11	451.4	419.0
12	446.3	478.5
13	446.0	413.1
14	441.4	472.5
15	437.5	404.1
16	425.6	453.4
17	383.2	384.3
19	395.9	373.8
20	390.0	416.8
21	389.0	362.1
22	386.9	407.0
23	339.3	323.6
24	344.3	367.2
25	328.0	314.7
26	326.0	339.8
43	484.2	451.0
44	472.5	503.7
67	326.2	312.2
68	331.4	344.1
85	537.6	507.8
86	548.5	581.5
87	604.8	583.1
88	607.8	631.3
89	428.7	424.3
90	430.2	433.8
91	428.8	429.6
921	383.5	388.6

Table XVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1022 Pi	R: 1023 Pi
922	663.7	667.9
93	535.4	538.9
94	658.6	662.1
95	445.9	445.2
125	345.5	329.8
126	355.4	374.2
128	484.9	479.5
132	380.6	378.9
201	744.0	742.5
202	890.1	889.0
203	991.9	989.4
204	1055.5	1053.4
205	1062.5	1060.4
206	1018.4	1016.3
207	951.1	949.7
208	890.9	890.4
209	851.8	821.9
210	945.0	921.4
211	1024.1	1010.2
212	1032.4	1043.7
213	961.8	986.5
214	865.1	897.4
215	375.2	379.2
216	548.8	518.7
217	559.2	593.3
218	659.9	658.7
219	384.1	356.9
220	383.3	403.9
221	332.9	315.8
222	328.8	346.8
223	324.6	308.8
224	317.7	339.5
225	340.8	337.4
226	493.7	494.2
227	551.9	552.6
228	613.1	614.3

Table XVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.60$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1022 Pi	R: 1023 Pi
229	763.0	763.7
230	466.5	466.1
231	637.3	607.3
232	771.7	743.1
233	770.9	806.7
234	640.6	678.5
235	407.8	377.1
236	439.7	415.2
237	445.7	436.0
238	452.9	443.7
239	446.1	442.3
240	368.7	366.7
241	374.6	357.5
242	105.7	107.4
243	175.7	174.3
244	332.7	330.5
245	331.3	335.2
246	397.2	376.2
247	383.6	352.1
248	333.2	316.2
249	337.6	354.8
250	363.3	355.9
251	251.4	236.3
252	787.0	789.2

Table XIX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 325	R: 326	R: 327	R: 328	R: 329	R: 330	R: 331	R: 332	R: 333	R: 334	R: 335	R: 336	R: 337	R: 338
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	490.9	526.2	566.4	604.0	644.6	685.8	728.5	769.0	812.4	857.5	905.6	949.2	991.7	1036.2
3	629.3	639.6	647.7	656.1	660.6	664.6	667.1	667.3	665.0	661.4	656.1	650.9	642.3	628.2
4	640.0	654.2	661.4	670.9	676.3	680.4	691.1	681.7	681.1	676.9	672.1	665.2	655.0	648.9
5	647.1	657.6	661.8	656.1	651.9	648.9	648.5	646.5	639.8	635.1	626.8	619.8	608.8	597.7
6	654.3	657.4	660.0	661.4	659.3	660.1	656.3	657.5	644.6	636.7	631.2	622.2	611.9	602.2
7	660.5	658.1	654.2	648.2	641.0	638.4	633.2	625.4	612.9	603.3	594.5	585.0	575.2	564.8
8	671.2	669.9	667.8	664.7	657.0	651.8	645.5	636.6	626.4	617.3	609.2	598.8	586.7	581.0
9	744.5	705.6	663.0	623.6	583.8	548.0	513.6	482.9	450.7	422.2	394.7	369.6	346.5	325.0
10	414.3	441.9	474.3	507.3	542.1	580.2	618.9	658.5	704.0	746.9	794.0	839.1	882.7	927.5
11	573.9	574.4	593.1	604.9	604.2	601.6	593.2	580.5	566.2	549.2	538.7	546.6	588.1	618.2
12	593.5	598.5	599.7	598.6	594.8	578.2	548.4	571.1	570.4	567.1	566.2	589.1	619.1	627.0
13	563.7	567.1	569.0	586.6	583.2	580.5	579.6	576.6	570.0	560.7	546.7	538.0	545.5	583.6
14	584.1	582.1	576.6	577.3	578.3	576.7	585.5	572.7	562.4	551.8	550.5	554.6	569.6	605.0
15	573.1	571.3	569.3	567.1	564.8	558.7	554.7	548.8	544.5	538.6	533.3	525.9	515.7	509.4
16	560.4	559.2	555.4	553.9	551.0	549.7	546.9	546.4	541.3	539.3	535.2	526.2	519.3	523.1
17	773.5	748.6	712.3	672.5	635.8	598.5	559.3	526.4	492.3	458.1	430.9	392.8	365.1	339.3
19	524.8	498.9	486.4	484.4	485.3	485.7	486.1	486.1	487.2	484.5	484.4	477.9	468.5	465.0
20	502.3	484.4	480.9	482.2	484.4	485.1	485.2	486.7	486.7	485.9	484.1	476.3	469.2	467.0
21	459.9	464.9	466.7	465.7	464.9	462.3	464.7	469.5	469.0	462.9	461.1	455.9	452.5	442.0
22	458.9	462.8	465.1	465.9	465.7	466.4	469.4	473.2	474.7	472.7	466.4	462.5	456.2	454.5
23	395.2	394.2	398.4	403.7	404.1	405.3	405.5	407.5	403.4	397.6	395.7	396.7	397.5	398.6
24	419.5	419.8	420.3	421.2	421.2	421.2	417.9	415.3	411.3	408.2	406.2	405.8	407.3	413.4
25	386.8	389.4	389.4	391.4	387.2	385.6	382.8	383.9	381.6	379.0	376.9	373.3	368.5	368.5
26	396.5	398.0	399.7	399.2	397.9	397.7	398.2	398.7	395.5	391.6	388.2	387.3	382.3	384.3
43	564.2	580.7	592.6	605.2	612.5	620.1	627.6	630.3	634.9	636.2	639.0	629.7	623.5	618.2
44	569.2	590.6	601.8	615.4	627.3	672.0	656.3	650.3	653.6	652.4	651.5	646.9	646.4	638.6
67	362.5	367.1	373.6	375.5	376.3	380.5	381.4	381.5	379.3	377.2	376.0	378.0	378.2	381.0
68	376.0	381.9	385.9	391.7	393.0	399.8	403.1	403.1	402.1	399.2	397.1	394.9	397.7	397.0
85	698.9	702.7	707.5	707.8	704.0	703.8	700.9	696.8	691.6	686.3	677.8	668.7	655.7	640.5
86	716.4	725.6	726.2	730.2	729.6	729.7	726.4	729.6	719.3	711.9	702.8	691.4	677.2	663.8
87	554.9	585.1	617.5	648.4	674.9	706.5	739.3	767.8	796.3	825.0	851.0	875.6	899.9	920.7
88	557.7	589.0	620.9	653.5	687.0	715.8	746.5	773.8	805.7	833.1	862.8	887.5	915.0	939.7
89	318.4	340.9	364.8	388.7	409.1	438.6	464.5	496.2	529.1	564.2	596.8	632.8	669.0	713.4
90	321.1	340.9	362.7	387.1	409.5	439.9	469.9	496.7	529.9	565.5	599.4	636.3	675.5	711.8
91	318.7	339.1	360.0	381.2	406.5	433.1	463.5	492.6	526.7	563.9	599.3	639.3	682.6	717.5
921	793.4	748.8	705.8	663.4	623.1	583.2	546.8	511.4	478.2	446.2	417.3	389.2	362.4	338.3

Table XIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 325 Pi	R: 326 Pi	R: 327 Pi	R: 328 Pi	R: 329 Pi	R: 330 Pi	R: 331 Pi	R: 332 Pi	R: 333 Pi	R: 334 Pi	R: 335 Pi	R: 336 Pi	R: 337 Pi	R: 338 Pi
922	536.6	574.1	613.7	651.1	691.3	736.8	779.8	829.5	879.5	929.5	976.0	1022.4	1068.3	1110.6
93	407.7	434.9	465.7	499.7	533.6	571.7	610.3	648.3	691.6	736.3	777.2	818.8	860.6	907.6
94	528.6	567.5	604.1	643.2	686.6	732.2	781.9	829.1	875.1	922.3	968.5	1011.3	1055.4	1097.6
95	333.1	356.1	379.8	403.3	429.3	459.5	491.7	523.7	560.7	597.7	637.6	674.9	713.4	753.8
125	420.1	425.5	430.5	434.0	432.9	431.4	428.1	420.3	409.6	398.2	390.4	384.0	379.8	364.2
126	444.2	447.4	447.6	448.5	449.3	446.3	441.0	433.3	423.2	417.6	410.3	402.5	398.2	400.2
128	881.2	823.7	764.4	711.8	655.0	606.2	558.5	508.9	457.2	415.8	388.4	366.3	351.7	341.4
132	315.5	326.7	337.8	350.2	364.5	381.5	407.1	428.7	454.7	484.1	512.7	552.6	582.4	625.6
201	1366.7	1328.0	1291.0	1251.3	1206.6	1159.6	1111.2	1064.6	1008.6	961.1	913.6	864.4	815.0	765.1
202	1474.9	1455.1	1433.1	1408.5	1380.7	1347.3	1311.9	1277.0	1234.9	1198.2	1156.5	1114.4	1071.3	1031.2
203	1507.8	1504.5	1500.0	1494.7	1481.7	1464.5	1443.8	1420.5	1390.3	1358.7	1327.2	1289.8	1249.4	1209.5
204	1447.3	1467.4	1482.0	1493.8	1501.6	1504.8	1503.9	1499.0	1484.5	1473.2	1456.2	1435.2	1407.7	1381.2
205	1301.0	1336.7	1371.1	1400.9	1428.8	1451.0	1470.5	1485.5	1493.8	1499.7	1504.5	1503.2	1496.6	1489.0
206	1121.9	1172.5	1212.0	1254.5	1294.6	1330.0	1366.2	1396.2	1422.3	1447.4	1468.7	1486.0	1496.2	1503.7
207	975.8	1023.4	1069.1	1113.5	1157.9	1200.8	1241.3	1280.3	1317.1	1352.5	1385.1	1415.2	1438.9	1459.9
208	879.1	922.0	965.5	1010.9	1053.5	1098.6	1141.8	1183.7	1226.3	1265.9	1304.8	1340.8	1372.6	1400.5
209	1192.0	1201.8	1208.0	1208.4	1205.7	1201.6	1195.5	1187.7	1170.7	1157.2	1137.9	1119.0	1095.6	1074.0
210	1308.5	1323.5	1331.8	1337.6	1341.0	1338.8	1334.7	1326.9	1315.1	1300.9	1282.2	1263.6	1237.6	1214.4
211	1406.7	1426.2	1436.6	1448.1	1454.2	1455.1	1453.3	1448.8	1436.0	1425.3	1406.5	1385.8	1359.7	1335.6
212	1417.3	1437.5	1451.2	1464.4	1469.6	1472.8	1471.8	1464.8	1452.1	1439.2	1423.0	1402.3	1374.8	1345.5
213	1329.7	1349.9	1359.3	1367.1	1370.9	1369.4	1366.8	1359.6	1346.0	1330.9	1313.7	1293.1	1268.2	1242.0
214	1206.4	1221.0	1223.6	1228.5	1229.3	1225.0	1220.1	1209.4	1193.8	1181.6	1163.3	1143.5	1121.0	1097.2
215	766.5	721.5	681.1	642.2	603.2	566.5	530.4	498.6	465.4	436.3	409.4	382.7	357.8	333.5
216	672.2	682.7	693.7	700.4	702.0	707.0	711.4	711.5	710.5	709.4	705.1	699.0	689.8	680.0
217	706.0	704.9	712.5	720.7	724.7	728.1	734.8	732.5	731.2	728.4	722.9	714.9	705.3	695.0
218	534.9	573.3	609.8	649.1	689.7	731.7	779.0	824.0	874.1	921.5	968.5	1013.1	1057.9	1097.3
219	452.5	457.8	462.5	469.0	469.7	472.0	473.8	474.1	471.7	468.7	466.1	460.1	455.9	447.3
220	437.8	447.4	453.2	460.6	463.3	468.7	470.5	469.1	468.2	464.0	459.2	454.4	450.3	449.7
221	374.5	377.5	381.8	384.0	384.5	383.9	385.4	386.8	385.0	382.7	380.7	381.9	380.8	377.1
222	386.0	389.8	392.6	396.5	396.9	397.7	399.7	399.3	397.3	393.5	393.8	394.9	391.1	390.1
223	364.4	365.2	369.9	374.8	376.4	376.8	377.7	377.6	373.8	377.7	373.2	370.2	371.5	370.9
224	375.2	378.1	382.6	385.8	387.3	386.8	389.4	388.9	390.6	392.1	386.8	381.9	381.9	382.6
225	650.3	611.9	578.7	543.5	511.2	479.5	452.0	427.0	401.7	378.2	356.2	335.1	316.8	301.6
226	979.6	936.7	892.3	848.8	802.7	757.9	720.8	685.1	647.3	609.4	574.2	540.3	503.4	471.2
227	1087.1	1043.2	997.8	953.1	905.9	859.0	812.0	760.0	710.7	666.4	626.8	589.2	549.6	513.4
228	1214.4	1169.2	1122.9	1072.5	1023.7	970.4	917.0	860.3	802.7	739.7	680.6	633.5	589.3	547.1

Table XIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 325	R: 326	R: 327	R: 328	R: 329	R: 330	R: 331	R: 332	R: 333	R: 334	R: 335	R: 336	R: 337	R: 338	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	666.4	710.5	757.5	803.7	846.8	892.4	939.5	984.9	1034.3	1078.8	1123.9	1167.2	1209.7	1247.2	
230	347.9	370.5	395.8	423.0	451.4	481.9	516.6	549.2	588.2	628.6	669.0	711.1	753.6	792.4	
231	885.4	885.9	882.4	873.3	869.7	866.2	859.6	852.2	836.1	827.0	814.8	804.4	788.5	773.4	
232	1090.0	1096.2	1095.9	1095.8	1091.6	1084.7	1075.4	1067.4	1050.7	1034.6	1016.4	998.0	975.9	954.5	
233	1087.6	1094.7	1097.1	1095.1	1092.0	1086.7	1076.7	1067.6	1053.0	1036.7	1016.6	1000.4	979.7	957.5	
234	896.4	898.4	898.2	894.6	889.3	882.0	876.9	866.0	855.9	843.3	829.6	816.4	799.1	780.2	
235	429.5	446.4	455.8	468.3	479.3	488.9	496.2	498.8	501.8	497.3	489.1	482.6	484.8	483.5	
236	377.9	402.1	428.9	449.6	473.2	491.7	512.5	532.3	550.9	564.9	579.7	594.0	606.7	614.1	
237	339.9	363.8	387.6	416.0	442.4	470.4	499.0	529.8	561.0	593.7	627.0	659.5	694.2	727.2	
238	337.8	362.7	381.0	406.9	434.2	463.1	493.8	524.7	560.2	595.6	634.2	671.7	712.0	751.3	
239	329.2	351.8	374.6	402.0	428.7	457.8	489.3	523.4	559.2	598.3	636.3	673.1	711.3	753.8	
240	281.2	290.9	305.9	326.2	356.1	379.7	390.9	412.6	452.4	485.3	517.9	550.6	585.0	627.9	
241	287.8	315.9	340.9	364.0	387.3	404.0	423.1	440.1	453.9	468.6	479.8	500.4	513.3	525.9	
242	207.1	191.1	177.1	164.6	153.4	143.3	134.8	128.4	120.9	114.3	108.3	105.1	101.7	94.5	
243	328.7	306.6	290.6	273.7	257.2	242.2	228.9	216.4	203.6	192.3	183.2	174.2	166.6	160.0	
244	614.6	579.4	545.8	514.1	485.5	458.5	433.3	410.0	387.8	367.2	351.1	337.5	325.2	312.1	
245	625.9	592.0	559.1	524.5	494.0	464.4	438.6	414.6	393.2	372.5	353.3	335.7	320.6	308.0	
246	535.0	521.4	512.7	506.0	502.3	499.2	495.0	490.4	486.1	481.0	476.2	470.7	465.8	460.0	
247	435.8	439.8	448.3	462.3	468.7	468.6	467.2	464.7	462.2	453.2	450.7	441.8	429.2	409.7	
248	410.8	411.8	412.0	409.1	405.4	404.0	402.2	398.0	392.3	387.5	377.6	369.0	362.4	360.8	
249	432.2	430.3	426.5	423.6	421.6	419.4	417.9	414.9	408.3	405.0	404.9	386.7	378.8	371.3	
250	335.8	373.0	403.8	419.6	424.2	426.4	423.8	412.2	388.0	361.6	332.6	310.1	295.1	275.0	
251	301.6	304.7	308.3	309.6	306.4	293.1	288.4	284.1	281.6	283.0	285.4	280.7	280.5	280.4	
252	688.1	734.2	778.8	829.1	876.9	925.8	973.1	1018.1	1066.7	1115.0	1159.2	1204.1	1242.9	1282.0	

Table XX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 340	R: 341	R: 342	R: 343	R: 344	R: 345	R: 346	R: 347	R: 348	R: 349	R: 350	R: 351	R: 352	R: 353	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	332.0	356.2	381.0	407.7	433.8	461.5	490.0	515.1	540.7	570.1	600.3	632.3	662.8	693.6	
3	451.1	457.1	463.7	468.9	471.0	473.2	475.0	474.0	475.5	473.6	470.7	468.6	465.1	461.9	
4	409.6	416.3	421.8	425.9	429.9	432.8	435.3	435.7	433.7	430.9	426.5	422.3	416.4	408.7	
5	462.9	465.0	468.1	467.2	465.8	463.5	462.7	459.5	457.9	454.7	450.2	445.5	442.3	436.7	
6	417.3	418.4	419.1	419.3	419.7	418.7	419.2	416.8	411.2	406.9	402.1	394.9	388.6	382.0	
7	472.6	471.1	469.7	465.9	460.4	456.2	450.5	445.0	440.2	433.4	426.8	420.9	418.7	414.1	
8	428.0	425.6	423.8	421.9	418.7	415.8	412.1	408.2	402.1	395.7	389.9	383.3	376.5	370.1	
9	504.3	475.9	448.2	421.3	395.2	370.5	348.0	327.0	307.4	289.9	269.5	251.5	235.0	219.9	
10	281.6	299.5	320.1	342.0	366.0	390.6	417.1	440.2	466.0	495.9	525.9	558.0	588.0	618.7	
11	440.2	436.7	437.2	436.5	437.3	434.3	431.3	425.9	421.1	419.1	418.3	418.6	417.8	424.2	
12	384.1	384.3	386.3	387.3	387.8	371.7	375.0	377.3	372.4	367.8	365.1	364.1	362.2	357.9	
13	432.8	431.6	428.5	426.2	423.2	418.2	416.0	415.5	411.7	409.0	407.5	408.8	411.5	415.0	
14	377.2	377.0	375.7	374.3	372.3	367.2	376.1	368.7	364.0	359.6	356.0	355.1	354.7	353.6	
15	419.5	416.2	411.9	408.6	405.4	401.3	398.1	396.0	394.7	394.6	390.3	384.7	381.6	381.4	
16	359.7	359.0	357.2	354.9	352.9	351.0	348.3	347.4	345.9	343.8	342.2	337.8	334.0	329.7	
17	522.4	492.2	465.4	438.3	411.0	384.4	361.1	338.8	318.6	296.2	277.7	269.6	245.3	231.1	
19	364.4	358.3	354.6	353.6	352.8	352.5	352.8	351.9	352.8	353.5	352.1	348.0	344.0	341.6	
20	308.0	307.3	307.4	307.6	308.9	309.9	310.7	312.0	308.9	307.5	306.3	302.1	298.9	298.5	
21	333.6	335.0	334.6	334.1	334.2	333.2	333.1	334.9	337.1	336.2	335.7	334.1	328.7	325.8	
22	301.2	303.7	302.1	301.4	301.5	301.3	302.8	306.1	306.1	305.2	305.6	302.1	298.5	293.6	
23	287.5	286.6	288.3	289.5	289.0	289.8	288.1	289.1	289.0	286.7	288.2	287.2	287.5	290.8	
24	269.7	271.6	272.8	273.6	274.6	275.2	273.5	271.9	269.3	266.3	262.9	260.2	259.9	260.6	
25	279.6	278.0	277.6	277.4	277.4	275.8	274.5	273.1	273.5	273.0	271.4	267.4	265.5	266.6	
26	255.5	256.9	259.0	258.1	258.6	258.1	258.0	258.2	255.1	252.0	249.3	246.9	246.7	243.2	
43	419.5	422.4	429.2	435.6	442.1	447.7	451.8	454.2	460.4	463.8	467.2	469.1	470.6	467.7	
44	371.3	376.2	383.6	390.4	397.2	405.5	408.3	410.8	410.6	408.9	408.3	403.5	401.2	396.3	
67	261.2	263.2	266.6	269.1	273.3	273.2	274.0	273.9	274.4	274.6	273.1	270.6	271.6	275.4	
68	244.9	248.9	252.3	254.6	255.5	258.1	260.0	260.1	256.9	254.4	252.6	254.1	252.4	250.9	
85	500.7	501.6	505.0	504.0	504.0	502.8	501.9	498.5	497.3	493.9	489.1	482.7	474.5	469.0	
86	455.1	458.9	462.5	464.2	465.6	465.2	465.2	464.1	457.4	451.6	444.9	438.4	431.0	422.4	
87	387.1	409.3	431.2	452.4	472.4	492.8	514.4	534.0	551.1	571.2	590.4	609.4	628.2	646.3	
88	365.4	384.6	404.6	425.7	444.8	465.0	483.9	502.3	519.4	537.5	556.2	575.7	593.0	608.8	
89	218.3	232.8	248.3	265.4	282.4	299.1	319.0	338.3	357.5	379.3	403.9	429.6	455.2	482.1	
90	221.6	232.0	244.6	258.7	276.7	294.2	312.9	331.0	350.2	370.7	394.4	419.0	444.8	471.6	
91	217.7	231.0	245.4	260.4	277.4	295.9	313.9	332.9	353.3	378.0	400.9	427.0	452.3	480.8	
921	536.8	506.4	475.7	445.9	419.4	393.5	369.0	347.0	327.1	305.7	285.7	265.7	248.3	231.4	

Table XX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 340	R: 341	R: 342	R: 343	R: 344	R: 345	R: 346	R: 347	R: 348	R: 349	R: 350	R: 351	R: 352	R: 353
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	362.3	387.8	412.0	439.6	467.5	494.1	523.2	552.7	585.6	616.6	648.4	680.2	711.3	742.2
93	276.7	294.4	314.5	335.7	359.1	383.7	408.9	432.3	458.9	488.1	518.0	548.0	576.5	606.8
94	354.9	379.0	406.3	431.7	460.1	490.6	522.9	552.3	581.0	611.1	641.0	671.8	702.1	731.6
95	226.1	240.3	255.4	272.5	290.9	310.8	330.3	350.4	373.4	396.9	422.0	448.5	476.4	504.1
125	309.7	311.1	314.3	315.6	313.6	311.9	307.9	302.4	297.2	289.6	282.5	276.4	276.1	270.7
126	289.0	289.8	291.7	294.0	295.3	295.0	294.0	290.0	282.7	276.3	269.2	263.3	259.1	257.4
128	599.8	562.9	527.8	494.5	461.6	430.4	404.7	382.0	363.7	348.1	327.6	304.0	281.2	279.0
132	217.2	224.1	231.0	239.6	249.5	259.6	272.0	288.1	308.1	324.5	345.1	366.9	396.9	414.7
201	922.6	898.2	873.1	842.4	813.7	783.1	751.4	721.6	689.3	656.5	623.6	592.2	561.2	528.7
202	996.3	982.7	970.5	949.0	928.5	908.3	885.1	863.3	840.2	813.9	786.7	758.5	730.3	701.8
203	1018.2	1018.1	1016.4	1007.4	997.9	986.1	972.6	958.1	941.9	922.7	900.9	876.6	849.8	823.4
204	978.6	992.7	1005.0	1008.3	1012.4	1014.2	1013.3	1010.3	1005.4	997.6	986.1	973.3	955.4	938.0
205	879.8	904.3	928.3	945.7	962.8	977.5	990.5	1000.2	1008.1	1013.4	1014.8	1015.1	1011.1	1006.0
206	761.6	793.0	821.7	847.4	873.3	897.7	919.7	939.0	957.5	974.0	987.5	998.6	1009.2	1013.2
207	660.4	691.0	722.6	751.9	780.5	808.6	835.3	859.1	883.4	907.8	928.5	948.6	965.8	981.1
208	594.8	622.6	651.9	680.7	709.9	739.6	766.8	794.1	820.5	847.9	873.7	896.9	919.6	940.2
209	832.0	837.2	842.5	842.0	840.7	835.8	832.5	825.4	819.8	810.0	798.2	785.4	769.0	752.2
210	905.8	913.6	922.6	924.9	925.0	922.5	919.4	915.6	910.1	900.6	890.1	877.3	861.2	841.9
211	962.6	973.7	985.1	989.5	991.5	992.2	990.8	987.4	982.4	974.4	964.2	953.1	935.2	916.4
212	947.4	959.8	972.1	974.9	980.0	981.1	979.2	976.6	972.6	963.4	950.9	938.0	921.9	903.8
213	880.3	888.9	899.1	900.4	903.2	902.5	900.7	897.3	891.4	880.5	868.7	854.5	839.1	822.3
214	788.9	796.0	800.3	800.7	801.0	799.2	795.5	790.2	782.3	771.1	759.6	748.9	732.0	717.2
215	522.6	493.2	464.5	435.6	409.9	384.5	360.3	338.7	318.0	297.8	279.5	260.2	243.4	227.2
216	483.2	490.6	496.9	500.5	503.3	505.6	507.2	508.5	509.6	509.1	506.4	502.3	497.9	494.0
217	456.3	453.4	456.8	461.1	465.7	468.7	471.0	471.4	470.9	469.4	466.8	463.4	459.6	452.3
218	363.2	388.4	414.1	440.4	468.8	496.4	525.6	556.5	584.8	616.3	645.6	677.9	709.3	739.0
219	326.3	330.0	332.4	335.0	340.4	339.7	342.5	340.1	341.9	341.9	338.9	337.0	333.9	330.8
220	289.1	294.3	295.8	299.2	300.6	303.0	302.1	302.4	301.7	300.2	297.4	295.4	294.3	290.7
221	266.8	269.2	271.1	272.8	273.9	273.5	274.5	274.1	275.7	274.4	273.6	274.3	275.9	277.7
222	249.2	249.6	252.3	255.0	256.0	256.6	257.0	256.1	254.5	255.1	253.3	250.4	248.5	247.5
223	258.2	262.3	264.6	266.8	267.4	267.5	269.4	269.1	270.1	270.2	270.0	270.2	270.6	272.0
224	241.6	243.1	245.7	247.6	249.6	250.5	251.3	253.9	251.5	248.4	245.2	243.5	241.5	241.7
225	439.5	413.5	388.9	367.1	345.8	325.2	306.6	291.1	275.4	261.0	246.5	233.0	221.1	208.5
226	661.9	630.7	599.5	570.4	540.7	511.9	486.6	463.5	440.5	416.2	391.4	369.0	345.4	321.9
227	734.3	702.3	673.4	641.7	611.0	580.1	549.8	518.9	487.9	457.4	430.3	405.4	379.3	353.0
228	820.6	788.7	757.6	724.6	690.0	656.0	619.7	587.3	552.1	512.0	471.4	438.9	406.9	379.0

Table XX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 340	R: 341	R: 342	R: 343	R: 344	R: 345	R: 346	R: 347	R: 348	R: 349	R: 350	R: 351	R: 352	R: 353
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	451.0	481.2	511.7	542.8	570.0	600.0	630.0	658.5	688.0	718.5	749.2	778.3	807.0	835.8
230	236.8	252.8	269.5	286.1	305.1	325.4	347.0	369.7	393.2	418.8	443.9	473.1	500.4	529.0
231	629.6	628.3	627.7	625.3	621.9	615.7	609.4	603.8	598.0	590.9	581.2	574.1	562.9	552.6
232	765.2	767.5	769.0	766.9	763.4	758.7	753.4	745.1	738.5	729.2	716.7	704.6	690.1	675.2
233	707.4	710.8	710.2	709.9	707.6	704.2	699.8	694.1	683.5	672.7	662.5	650.8	635.5	619.9
234	574.6	574.5	573.5	571.9	568.8	566.2	562.4	556.9	549.0	541.2	532.9	522.6	511.1	498.9
235	303.7	320.3	328.7	336.1	343.2	350.1	356.6	359.1	363.6	365.6	364.0	360.2	358.0	356.8
236	266.9	283.6	300.1	317.4	333.6	352.0	365.2	376.2	387.8	400.6	411.0	423.0	436.1	446.2
237	232.8	251.0	270.1	288.3	306.9	326.9	346.6	364.4	385.3	407.2	429.7	453.0	477.8	501.2
238	233.2	250.3	263.7	281.0	300.8	320.7	340.3	359.3	381.8	404.0	427.9	453.2	479.6	507.6
239	224.6	240.2	255.2	271.9	290.8	310.0	330.6	351.0	372.7	397.2	420.7	447.7	477.1	504.6
240	201.5	203.3	211.7	222.6	235.9	263.2	283.1	297.9	316.3	338.9	357.5	380.0	403.9	429.9
241	189.6	214.8	231.6	250.5	266.7	279.8	292.6	304.0	318.2	332.0	344.1	353.0	363.1	377.6
242	139.1	129.9	121.0	112.1	104.4	98.1	92.8	88.0	83.2	79.0	75.5	101.7	93.1	67.4
243	225.2	213.0	201.1	189.4	177.7	164.3	155.5	148.3	142.2	135.1	127.8	121.7	115.7	109.2
244	418.9	395.5	373.1	353.3	332.5	313.5	297.2	281.5	268.0	253.7	242.3	232.0	223.7	215.6
245	425.2	402.3	379.1	358.1	338.7	319.7	302.1	286.8	271.6	257.2	243.1	230.0	219.4	210.9
246	381.8	374.4	368.8	365.3	361.8	358.8	355.6	352.0	348.4	345.3	342.0	338.4	334.7	331.2
247	315.3	319.7	327.1	332.8	339.0	339.4	337.7	335.8	336.0	334.5	331.0	326.4	320.4	314.7
248	299.7	297.6	297.9	295.5	293.9	291.4	290.1	287.4	284.5	280.3	276.3	268.7	263.4	261.1
249	276.0	276.1	276.3	275.2	274.0	272.1	270.6	268.0	264.3	260.0	259.2	250.7	243.9	237.1
250	267.0	287.8	299.0	305.7	307.3	305.4	297.7	285.8	270.5	249.5	233.3	224.0	210.7	198.8
251	211.7	215.3	215.9	214.3	210.1	201.4	200.8	200.1	201.8	200.5	199.7	199.9	199.9	201.9
252	466.7	495.5	526.8	560.3	590.2	622.0	653.4	681.9	712.3	742.9	773.2	803.2	830.9	859.1

Table XXI: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 355 Pi	R: 356 Pi	R: 357 Pi	R: 358 Pi	R: 359 Pi	R: 360 Pi	R: 361 Pi	R: 362 Pi	R: 363 Pi	R: 364 Pi	R: 365 Pi	R: 366 Pi	R: 367 Pi	R: 368 Pi	
2	336.0	357.1	383.0	410.2	436.4	463.5	493.0	518.7	549.6	578.9	609.5	639.6	668.5	699.7	
3	426.0	432.5	438.4	443.9	448.2	450.0	451.7	452.6	451.4	447.3	444.4	441.3	435.2	425.8	
4	435.5	442.9	448.7	454.4	458.4	461.9	465.7	462.5	461.1	459.1	455.4	453.0	447.6	440.9	
5	437.5	438.8	441.6	441.7	441.8	440.9	439.7	438.6	434.4	430.5	425.0	419.2	412.8	405.7	
6	443.4	445.9	446.8	448.2	447.7	447.1	445.1	443.5	438.2	433.3	428.5	423.0	416.7	411.4	
7	447.5	445.9	444.2	440.8	437.7	433.3	428.1	423.2	416.5	410.0	403.4	397.0	390.1	383.5	
8	455.9	454.3	452.0	450.4	446.6	443.5	438.7	433.6	426.6	420.9	414.3	408.3	402.1	397.2	
9	503.5	476.9	448.9	420.9	394.4	370.7	348.4	327.3	306.3	286.3	268.1	251.9	236.6	221.8	
10	283.3	301.7	322.6	344.6	369.5	393.7	419.6	446.7	476.1	504.6	533.8	565.3	593.4	623.1	
11	409.0	410.9	411.2	411.1	411.0	408.7	404.9	399.8	392.7	390.0	385.2	382.9	382.5	379.9	
12	409.1	410.9	410.9	413.8	414.5	410.3	382.6	401.3	397.9	393.9	392.1	390.1	392.1	396.3	
13	401.3	400.7	400.6	398.5	397.8	394.5	392.7	392.8	387.7	383.0	378.2	375.8	377.7	380.3	
14	403.3	403.0	401.2	400.0	398.2	395.3	395.2	391.0	386.5	384.0	382.7	382.8	383.5	383.8	
15	388.5	388.7	386.1	385.7	383.1	378.9	376.5	374.0	370.1	366.7	362.8	357.0	352.7	349.2	
16	384.4	383.5	380.3	379.2	377.2	375.5	373.0	371.1	371.3	369.5	365.7	360.3	357.8	358.7	
17	525.0	495.8	467.0	439.8	412.6	387.5	363.2	340.9	318.2	298.2	281.7	266.6	246.3	230.5	
19	338.7	333.8	330.5	329.8	328.5	329.1	328.8	329.6	329.4	329.1	328.1	322.3	317.1	314.6	
20	334.1	331.2	328.1	329.8	331.5	332.1	333.7	333.3	332.7	332.3	330.1	325.3	319.2	318.7	
21	310.5	315.3	315.3	315.5	315.5	313.9	314.2	316.7	316.8	313.5	311.8	307.3	306.4	299.8	
22	310.3	313.6	315.4	316.8	317.0	317.6	318.9	320.9	322.0	320.6	319.0	315.7	312.6	312.6	
23	268.4	266.4	268.6	272.2	272.1	273.5	273.2	274.8	271.6	267.2	266.8	266.7	267.7	269.9	
24	290.9	291.2	288.8	289.2	289.9	288.8	286.9	285.9	283.9	282.2	279.5	279.2	281.4	282.5	
25	262.7	263.3	264.2	264.0	263.1	260.8	260.7	260.4	259.1	258.1	255.4	252.9	250.7	250.7	
26	270.4	272.0	273.0	272.1	272.5	271.5	271.7	271.6	269.9	267.0	265.8	263.7	262.5	263.3	
43	393.5	395.7	402.3	409.7	416.1	420.8	424.3	428.3	430.2	431.8	431.5	427.3	423.3	418.5	
44	394.7	401.5	409.7	417.9	425.9	433.8	438.6	440.7	443.2	445.8	444.4	443.0	440.9	439.7	
67	245.8	249.7	254.4	255.5	256.3	259.0	259.3	258.0	257.5	257.6	255.6	254.9	257.2	259.5	
68	259.3	261.1	263.9	267.5	268.7	273.8	275.4	275.7	274.9	273.5	271.6	270.2	271.3	271.6	
85	472.2	476.6	478.3	476.9	477.4	477.0	476.2	473.8	469.6	466.5	459.6	453.4	445.2	435.0	
86	486.5	490.5	492.6	494.9	495.5	494.9	494.5	492.5	487.6	482.5	476.1	467.9	460.7	452.4	
87	377.3	397.0	418.9	438.6	458.9	479.6	500.2	520.0	538.9	556.7	574.5	591.2	608.7	623.5	
88	378.1	400.5	422.0	444.0	464.5	485.1	506.1	525.2	545.1	565.7	583.6	600.9	619.0	635.3	
89	217.3	232.2	246.3	261.4	278.2	296.2	314.1	333.9	357.7	381.2	403.5	426.9	449.8	476.9	
90	219.5	232.9	248.4	263.3	279.9	299.6	318.2	338.2	359.6	382.4	404.9	428.7	455.8	481.3	
91	215.8	229.3	243.8	259.8	277.0	294.8	314.7	334.0	357.1	379.1	403.8	430.9	457.7	481.2	
921	536.7	505.9	474.9	446.4	420.9	393.6	368.8	346.4	325.0	304.2	284.4	265.3	247.7	232.6	

Table XXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 355 Pi	R: 356 Pi	R: 357 Pi	R: 358 Pi	R: 359 Pi	R: 360 Pi	R: 361 Pi	R: 362 Pi	R: 363 Pi	R: 364 Pi	R: 365 Pi	R: 366 Pi	R: 367 Pi	R: 368 Pi
922	365.8	391.7	416.2	441.9	469.6	497.9	527.9	559.3	594.5	627.5	658.4	688.9	719.3	748.9
93	279.3	296.4	317.7	339.5	362.5	386.9	412.2	438.9	468.1	495.5	525.0	552.8	582.8	610.9
94	359.7	385.6	410.3	436.5	465.4	496.5	528.9	560.1	593.2	623.3	652.3	682.8	710.3	739.8
95	226.4	242.4	258.0	273.6	292.6	311.9	333.2	354.9	380.3	404.1	428.4	454.1	480.9	509.2
125	286.1	288.1	291.9	294.5	293.9	293.2	289.0	284.2	277.4	270.4	264.4	260.7	256.9	249.6
126	305.8	306.9	306.8	307.9	308.2	305.7	302.0	298.1	293.2	288.1	281.6	276.0	275.7	277.5
128	595.9	557.3	517.9	481.6	446.0	408.9	378.6	352.2	337.4	324.3	299.1	266.7	259.8	248.1
132	218.0	224.6	231.9	240.5	250.7	262.1	278.1	292.2	309.1	330.1	351.4	374.0	396.3	421.6
201	923.8	898.1	870.7	844.2	815.9	784.2	752.6	721.0	686.2	653.1	620.9	588.2	556.4	524.7
202	999.0	982.7	967.2	950.3	932.1	910.9	888.4	863.0	837.7	811.2	784.5	756.5	727.8	698.3
203	1021.2	1018.6	1014.8	1008.6	1001.0	990.0	976.2	959.4	941.2	921.8	899.4	875.8	847.6	821.8
204	981.4	992.8	1002.8	1009.4	1015.4	1017.0	1016.5	1012.2	1005.6	998.1	986.5	973.4	954.5	937.8
205	883.5	906.8	927.9	946.9	965.3	981.4	993.7	1003.7	1010.6	1015.7	1018.7	1017.7	1012.3	1008.2
206	762.1	793.3	821.2	848.1	875.3	901.1	923.7	943.9	962.6	978.4	994.8	1005.0	1010.9	1016.4
207	662.6	693.6	723.7	753.4	783.0	811.7	838.6	864.6	890.5	914.7	937.0	956.2	971.4	985.0
208	596.1	624.1	653.7	682.6	712.2	742.8	771.2	799.6	829.1	856.2	882.0	904.9	925.6	944.3
209	806.5	811.9	816.4	816.2	816.0	813.8	809.0	802.4	793.9	783.0	771.3	758.0	742.6	726.5
210	885.4	895.5	901.8	905.8	907.2	905.5	903.3	898.6	891.0	882.2	869.6	854.2	840.4	822.3
211	952.2	964.2	972.8	977.7	982.9	983.5	982.4	979.2	972.9	965.3	952.8	939.9	922.5	904.8
212	960.2	972.1	982.5	988.1	993.8	996.2	994.5	990.5	983.2	973.7	963.0	949.8	932.7	914.0
213	901.8	911.7	919.9	923.8	927.0	926.2	924.0	919.2	911.2	902.3	889.3	877.0	861.0	843.0
214	818.7	826.2	829.6	832.0	831.6	829.4	824.8	820.2	810.7	800.6	787.7	774.5	759.8	744.0
215	519.2	492.5	461.3	434.3	408.3	383.0	359.5	338.3	317.1	296.5	278.0	260.4	243.6	228.1
216	457.6	466.2	472.1	474.9	478.7	481.2	482.2	483.5	483.4	481.5	477.8	473.8	467.7	461.6
217	465.8	471.5	477.6	483.2	487.7	491.0	493.6	495.3	495.6	494.9	492.7	488.9	484.2	478.6
218	364.7	388.6	414.6	439.9	468.9	496.2	526.6	558.6	591.5	622.5	653.2	681.4	712.3	740.5
219	305.6	310.1	314.3	317.0	318.7	320.2	320.4	321.0	320.7	317.5	314.2	310.9	308.5	305.9
220	299.4	303.9	308.4	313.1	315.3	319.4	320.0	318.4	319.1	316.1	312.4	310.3	309.3	309.7
221	254.2	256.5	259.6	259.8	261.1	261.3	261.7	263.1	261.2	259.3	258.2	258.5	257.6	255.5
222	264.4	265.9	268.2	270.1	271.1	271.3	272.0	270.7	270.0	269.1	271.0	268.8	265.9	266.4
223	247.7	249.1	251.5	253.6	256.0	255.7	256.5	255.7	255.1	255.1	254.1	251.8	250.3	252.2
224	255.0	257.0	261.1	263.1	265.1	264.7	265.7	266.2	269.1	266.4	263.2	261.3	260.0	280.7
225	440.6	415.0	392.8	369.7	349.0	328.9	310.1	292.9	275.6	258.7	243.5	229.1	216.5	206.9
226	663.8	631.9	602.1	572.3	543.2	514.0	488.3	465.3	438.2	414.2	389.2	367.4	343.9	321.0
227	734.3	704.9	674.6	642.6	613.6	582.3	552.0	519.4	485.0	453.7	428.4	401.1	375.8	351.2
228	821.8	790.2	758.5	725.8	692.8	658.5	622.4	587.1	548.5	509.3	467.7	432.6	403.1	376.0

Table XXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Office ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 355 Pi	R: 356 Pi	R: 357 Pi	R: 358 Pi	R: 359 Pi	R: 360 Pi	R: 361 Pi	R: 362 Pi	R: 363 Pi	R: 364 Pi	R: 365 Pi	R: 366 Pi	R: 367 Pi	R: 368 Pi
229	452.5	483.4	513.8	544.3	570.7	603.2	632.4	664.0	695.8	727.0	758.9	788.0	814.0	840.4
230	236.4	252.7	269.4	287.9	307.1	328.0	349.9	372.6	398.7	423.8	450.5	477.3	504.6	532.0
231	601.2	599.1	598.2	593.8	592.0	586.7	581.7	575.7	569.5	561.6	554.0	543.8	534.1	523.1
232	737.1	740.1	740.5	740.8	737.5	732.9	726.9	719.8	710.3	700.3	687.4	675.9	661.1	645.7
233	737.2	741.2	742.8	741.1	738.8	735.1	730.4	721.6	712.5	703.8	691.6	678.0	665.3	650.6
234	607.9	609.1	608.3	604.4	602.8	598.6	593.2	586.3	578.9	572.6	563.8	553.6	541.5	530.9
235	291.4	301.9	308.6	316.9	323.8	331.2	335.0	336.9	336.5	334.8	331.8	327.6	330.7	327.0
236	256.2	272.3	289.9	304.8	323.0	335.5	348.5	358.2	370.5	380.8	391.3	401.5	409.9	416.0
237	231.6	249.8	264.6	282.4	300.2	318.8	337.9	357.7	380.6	402.0	424.3	445.9	466.6	492.7
238	227.8	242.5	258.4	276.1	294.5	313.8	334.1	355.6	379.4	403.6	428.7	454.0	479.0	506.3
239	224.1	239.8	255.5	272.6	290.3	310.4	332.5	353.5	378.4	402.2	427.4	453.2	478.1	506.4
240	194.1	200.3	212.7	227.2	244.8	259.1	275.9	296.3	317.5	337.3	360.9	379.9	400.3	428.4
241	198.0	216.1	232.7	249.1	262.3	272.9	285.3	296.4	307.2	317.2	329.9	337.4	345.6	356.5
242	141.1	131.3	121.7	112.8	105.4	98.6	93.3	88.6	83.7	79.3	75.7	74.4	71.1	67.8
243	221.2	206.7	194.7	184.4	173.3	162.7	154.9	146.9	138.5	132.2	126.7	120.7	115.4	110.1
244	418.1	394.8	372.2	349.7	329.8	312.3	295.2	280.0	263.7	251.3	241.2	231.1	222.0	214.5
245	423.4	401.2	378.0	356.3	335.9	317.3	298.5	281.9	265.5	252.0	239.3	229.1	219.5	210.9
246	339.1	338.5	335.8	334.3	332.8	331.8	329.5	326.9	324.7	322.1	319.3	316.3	312.9	309.3
247	296.5	299.0	303.8	311.4	315.7	316.0	316.4	314.7	311.0	306.7	304.4	299.1	290.2	278.4
248	277.9	278.5	278.9	277.3	275.4	274.7	271.8	269.9	266.1	261.0	255.8	250.0	245.7	244.2
249	294.9	295.5	294.5	292.6	291.4	290.0	288.8	285.6	281.0	276.1	274.8	264.8	259.4	254.0
250	230.4	253.4	274.6	284.2	288.8	289.6	285.4	276.1	264.6	248.5	227.8	213.8	201.7	190.2
251	205.6	208.1	209.7	210.0	207.7	199.4	196.0	193.5	192.5	192.9	192.4	190.7	190.1	190.5
252	470.6	498.1	530.0	562.0	592.6	623.8	656.4	687.9	722.3	752.1	783.2	811.2	837.2	865.0

Table XXII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 371	R: 372	R: 373	R: 374	R: 375	R: 376	R: 377	R: 378	R: 379	R: 380	R: 381	R: 382	R: 383	R: 384
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	336.1	358.2	385.4	412.7	440.8	467.3	495.5	522.3	548.6	578.0	609.7	638.9	668.0	698.4
3	396.3	402.0	409.2	412.9	415.9	418.9	421.2	422.1	422.2	418.6	416.2	411.6	404.3	393.1
4	464.1	470.4	477.4	481.4	485.3	489.0	490.9	493.0	492.2	492.2	491.7	485.9	480.9	474.9
5	407.0	408.0	409.1	411.0	410.8	409.1	409.8	407.4	405.2	402.3	396.8	392.5	386.7	376.4
6	474.3	475.5	476.9	476.1	475.5	475.3	473.6	471.1	468.1	465.5	461.3	455.3	448.1	441.0
7	417.9	414.9	413.5	409.6	405.6	402.2	399.0	394.8	390.9	383.9	380.0	374.0	366.1	357.6
8	487.9	485.3	480.9	478.1	474.3	469.9	465.6	461.7	456.1	452.0	445.8	438.5	431.7	424.6
9	502.9	473.2	447.0	420.4	395.5	372.4	349.8	327.1	308.2	289.4	270.9	253.1	236.6	219.3
10	282.8	303.5	322.3	344.4	369.1	393.7	420.6	446.0	475.7	504.6	534.1	563.8	592.8	622.0
11	382.6	385.2	384.1	385.8	383.3	380.2	378.2	372.9	369.1	364.0	358.9	354.4	350.2	349.3
12	437.4	438.8	440.9	444.6	446.3	442.8	437.1	432.0	430.0	425.7	421.8	422.2	416.4	429.5
13	374.2	374.6	373.5	372.6	370.2	367.9	367.5	364.8	364.8	363.1	358.1	350.1	347.0	349.0
14	432.7	430.6	431.3	429.7	429.0	425.1	421.6	418.5	414.7	412.4	414.2	413.3	412.1	412.3
15	362.2	362.4	360.7	359.9	357.5	354.4	352.7	349.2	347.3	343.4	338.5	333.2	328.1	326.0
16	411.5	408.0	407.8	406.9	406.2	403.1	400.0	400.7	398.8	394.1	390.6	387.6	384.9	384.9
17	521.6	492.2	464.1	438.9	412.7	387.7	363.8	339.6	319.6	297.5	283.7	270.3	250.5	235.7
19	313.0	312.5	309.7	309.0	309.3	309.1	310.0	309.9	309.8	307.9	303.3	300.0	296.5	293.1
20	357.1	352.0	350.2	351.5	352.1	353.4	353.1	354.0	353.2	353.1	353.3	351.4	345.8	343.1
21	290.5	292.9	294.1	296.2	295.2	295.4	296.1	297.1	297.3	292.8	291.6	287.9	282.1	278.1
22	335.3	336.6	336.8	337.7	339.5	340.0	341.3	345.3	347.1	346.8	345.8	345.7	338.9	336.4
23	251.8	252.2	255.1	258.2	259.4	259.6	260.6	261.8	260.9	256.8	253.5	253.5	252.7	254.0
24	300.6	301.9	304.2	305.3	305.0	305.1	303.7	302.9	299.1	297.5	294.5	292.8	282.1	294.4
25	250.3	251.6	250.8	250.3	249.3	249.6	248.8	249.4	248.4	246.7	242.8	241.2	237.9	237.0
26	288.9	287.3	286.4	284.1	283.7	284.0	284.4	285.1	284.5	284.0	283.5	282.2	282.5	285.9
43	366.3	370.1	375.1	382.4	384.4	389.3	392.3	396.2	399.4	399.0	396.8	391.6	387.7	382.4
44	422.7	431.7	439.4	452.4	458.6	467.9	475.8	478.5	482.1	486.0	487.5	486.3	484.3	482.5
67	235.5	240.4	241.8	244.5	246.1	246.6	246.4	246.1	247.0	244.2	241.1	240.0	241.3	239.7
68	275.7	274.8	275.8	279.7	281.5	285.8	287.6	289.3	290.6	292.0	281.4	290.3	286.2	285.3
85	440.6	444.4	444.2	447.3	447.1	446.3	445.6	442.4	440.0	435.3	430.3	421.8	413.1	402.4
86	514.7	518.3	520.9	522.6	524.9	525.0	523.2	521.2	519.0	515.5	511.7	505.3	496.2	485.6
87	360.8	378.5	400.3	419.9	438.3	460.5	480.1	497.1	513.9	532.9	548.8	564.1	579.7	593.9
88	393.1	414.5	437.8	460.6	481.8	502.3	524.9	544.3	564.0	586.8	608.3	626.2	642.7	661.7
89	218.6	230.6	244.9	261.0	275.7	294.6	312.1	331.6	350.9	371.8	394.5	419.5	444.3	466.7
90	220.2	234.0	248.8	264.2	279.5	298.1	319.9	340.8	360.8	385.2	410.4	437.3	459.7	486.4
91	217.3	230.4	244.7	261.8	277.9	295.9	315.0	335.6	356.1	379.4	403.7	429.7	456.2	481.6
921	536.2	505.3	476.3	448.9	423.4	398.7	374.4	350.9	329.6	307.2	288.3	267.8	248.4	231.5

Table XXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 371 Pi	R: 372 Pi	R: 373 Pi	R: 374 Pi	R: 375 Pi	R: 376 Pi	R: 377 Pi	R: 378 Pi	R: 379 Pi	R: 380 Pi	R: 381 Pi	R: 382 Pi	R: 383 Pi	R: 384 Pi	
922	366.9	392.7	418.6	447.5	473.5	501.0	530.4	564.0	595.6	626.6	658.8	688.2	717.5	749.8	
93	278.6	297.7	319.2	339.5	361.7	387.1	413.4	439.4	466.3	496.9	525.2	554.2	582.8	610.5	
94	363.0	388.9	415.0	443.0	472.7	502.5	533.4	565.1	595.8	627.4	655.4	685.5	713.6	743.4	
95	225.9	240.3	256.8	273.8	290.4	311.9	331.8	354.9	376.5	402.3	427.3	451.4	477.0	507.4	
125	265.9	269.1	271.3	273.0	272.8	273.1	272.0	268.3	264.3	260.0	253.7	248.0	243.3	235.2	
126	328.5	329.1	329.4	329.0	327.1	326.3	322.8	318.4	311.0	306.5	300.1	294.1	289.1	287.7	
128	597.7	561.1	525.3	490.5	455.6	423.4	395.4	371.5	351.5	336.1	320.3	308.7	294.0	281.4	
132	218.6	223.9	231.3	241.3	249.5	262.5	279.3	292.6	308.5	330.9	349.8	374.9	402.0	421.8	
201	922.4	897.0	871.5	845.4	817.5	787.4	756.3	725.0	693.6	660.5	628.8	596.3	563.0	528.9	
202	996.1	982.1	967.1	951.2	933.7	913.4	891.6	868.7	845.3	819.2	793.4	764.9	733.6	704.4	
203	1017.6	1018.1	1014.5	1009.6	1002.7	992.7	979.8	965.4	948.0	929.1	907.2	883.3	854.6	827.7	
204	981.1	994.9	1002.8	1011.7	1017.5	1020.0	1019.6	1018.0	1012.9	1004.3	994.3	979.6	961.9	942.1	
205	884.8	909.5	929.8	950.2	968.8	984.5	998.0	1008.8	1016.6	1021.4	1023.7	1023.8	1018.4	1012.0	
206	765.4	794.7	824.5	852.0	879.2	904.6	926.3	947.8	966.2	982.2	996.7	1007.8	1015.9	1021.1	
207	666.9	696.3	726.7	757.6	786.5	816.4	842.8	870.4	893.7	916.7	939.4	957.5	974.2	990.3	
208	599.3	626.8	656.0	686.5	715.8	748.3	775.8	803.8	829.9	858.2	883.1	906.7	927.9	948.0	
209	779.0	785.6	785.2	788.2	787.9	786.9	783.2	777.6	769.8	759.8	749.3	735.3	718.7	699.4	
210	863.8	871.7	875.2	881.1	883.3	883.9	881.9	876.6	870.9	862.7	853.4	840.1	821.1	804.5	
211	940.5	952.0	958.9	966.4	971.0	973.4	973.9	969.9	964.7	957.4	947.1	935.3	917.0	897.5	
212	974.4	986.6	996.1	1004.0	1008.8	1010.8	1011.3	1009.0	1003.3	995.7	983.7	968.4	948.5	930.1	
213	927.8	937.9	945.2	949.3	952.0	952.1	950.6	946.7	941.0	932.0	921.9	906.0	886.2	868.5	
214	852.1	858.5	861.5	863.9	863.0	861.9	858.0	853.7	845.8	836.4	826.6	812.3	793.5	774.7	
215	516.8	488.0	461.4	435.7	410.9	386.5	364.0	341.0	320.4	300.7	281.5	262.8	244.5	227.4	
216	427.4	434.1	440.5	444.4	447.7	450.7	452.5	453.5	452.9	449.8	447.2	441.4	434.5	428.8	
217	492.4	490.7	497.8	502.1	507.1	512.0	513.9	516.4	517.7	517.3	516.2	513.9	510.0	504.3	
218	362.6	388.9	413.9	441.1	469.8	496.2	527.5	560.7	591.2	619.8	649.2	680.1	706.5	736.3	
219	286.3	291.4	294.1	298.9	298.8	301.9	300.2	301.0	300.5	296.0	292.0	289.6	284.8	281.0	
220	321.1	324.3	329.3	333.2	337.2	341.4	343.9	343.9	343.2	343.6	341.5	338.9	335.1	332.5	
221	248.2	248.6	250.4	251.3	251.4	251.0	251.7	252.5	252.1	248.7	248.3	247.7	243.2	244.6	
222	280.5	281.9	283.5	285.6	286.4	287.6	290.0	291.9	292.6	290.5	291.3	291.0	288.0	286.7	
223	241.4	245.4	246.5	247.4	248.5	249.2	247.1	245.9	247.5	243.3	239.6	238.6	238.6	239.1	
224	268.6	271.7	274.8	277.2	279.7	282.2	283.9	284.5	287.4	287.5	286.6	285.5	281.6	282.1	
225	441.5	416.3	393.4	371.1	349.6	329.7	310.5	294.3	279.2	263.4	248.2	232.3	218.4	207.3	
226	664.9	633.3	604.8	575.2	544.9	517.4	491.7	469.8	447.2	421.6	397.4	371.2	346.6	321.6	
227	734.4	706.2	675.9	645.4	615.0	584.9	554.9	524.1	493.8	463.9	437.2	409.2	381.3	355.2	
228	821.7	791.8	760.5	728.1	695.0	661.6	626.2	592.6	557.4	518.0	478.6	442.6	410.3	380.4	

Table XXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 371	R: 372	R: 373	R: 374	R: 375	R: 376	R: 377	R: 378	R: 379	R: 380	R: 381	R: 382	R: 383	R: 384
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	456.9	485.5	516.6	546.4	576.0	606.9	636.6	667.9	698.0	730.0	760.6	787.4	815.0	842.0
230	237.0	253.3	271.2	289.1	308.5	328.4	351.3	374.2	396.7	421.5	448.2	474.9	502.4	529.3
231	565.0	566.9	565.3	564.8	562.3	558.5	553.1	548.1	542.1	535.6	526.0	515.5	504.0	492.3
232	709.6	711.6	711.7	712.1	710.1	706.0	700.6	694.6	688.4	676.9	665.5	650.7	634.7	617.1
233	771.9	774.9	776.4	775.1	773.2	769.6	764.8	758.0	749.3	741.0	731.1	716.4	698.0	681.9
234	642.7	643.4	640.2	641.7	637.4	634.9	628.7	623.1	615.2	608.3	599.5	587.5	575.1	563.5
235	278.8	287.6	292.7	299.4	304.9	310.8	312.9	314.2	313.7	312.0	306.7	302.8	301.2	292.5
236	253.2	266.8	280.2	295.0	309.8	319.8	330.4	341.5	352.7	363.8	370.4	376.4	377.3	385.1
237	231.6	249.0	261.4	278.6	296.8	314.0	331.1	350.7	371.4	390.6	410.0	434.0	455.6	481.7
238	228.1	241.7	255.5	272.6	289.5	310.1	329.1	351.7	374.0	400.4	425.9	448.0	471.3	499.9
239	225.7	239.8	253.4	271.7	290.0	309.7	329.6	351.6	375.3	399.8	425.2	449.4	474.6	503.4
240	196.0	203.5	210.5	221.4	232.0	249.6	264.6	280.0	302.7	323.3	345.5	363.9	386.7	415.2
241	206.5	219.3	234.5	246.6	255.6	265.5	277.6	283.3	291.0	298.5	308.7	317.9	322.3	328.9
242	138.0	128.8	119.7	110.8	103.5	97.0	91.7	86.9	81.9	77.9	75.2	97.6	106.8	72.9
243	226.1	215.1	203.2	191.1	179.9	166.3	157.0	149.5	141.6	133.9	128.3	123.1	117.8	112.3
244	414.3	391.2	368.7	348.6	329.5	312.3	295.6	280.6	267.5	253.7	240.8	228.8	218.6	210.0
245	425.1	399.2	378.8	356.5	334.9	316.4	298.4	283.0	267.4	252.6	240.9	229.8	218.6	207.3
246	319.2	314.8	318.5	316.9	315.0	312.8	311.2	309.5	307.5	305.3	302.7	299.8	295.9	291.9
247	277.2	280.6	285.9	295.1	296.1	295.2	293.4	294.7	292.6	287.7	280.6	270.2	259.4	245.0
248	262.1	263.2	262.3	262.2	260.5	260.7	258.7	255.8	252.4	249.4	244.5	237.3	233.8	230.1
249	306.7	305.3	303.7	302.8	300.5	300.4	297.5	294.1	289.1	284.9	283.8	276.3	272.2	269.1
250	196.5	227.1	249.5	268.6	275.9	283.2	284.1	276.7	267.0	256.8	239.2	215.8	197.9	182.6
251	193.0	197.6	199.8	199.5	197.7	193.9	186.8	183.5	182.7	181.7	180.2	178.4	176.2	176.5
252	473.6	502.6	532.2	564.9	596.3	628.9	662.0	691.9	722.9	754.4	783.9	811.9	839.0	864.5

Table XXIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 386	R: 387	R: 388	R: 389	R: 390	R: 391	R: 392	R: 393	R: 394	R: 395	R: 396	R: 397	R: 398	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	358.2	381.0	406.1	430.3	459.6	484.9	516.3	543.1	573.0	597.4	631.4	663.2	694.1	
3	353.5	357.4	359.4	363.9	364.2	364.9	366.6	363.0	359.0	352.5	345.2	339.9	332.3	
4	532.8	539.5	543.5	548.6	550.7	557.2	560.0	560.5	560.1	557.0	555.5	550.1	547.4	
5	354.6	355.4	356.5	355.9	356.2	355.7	353.9	350.3	346.1	339.8	334.6	330.5	324.0	
6	542.8	541.7	540.5	539.3	539.4	535.2	536.6	533.4	527.6	523.9	518.2	510.9	503.1	
7	360.2	359.8	356.4	352.3	349.1	345.1	342.5	339.2	332.8	326.5	319.9	316.3	311.5	
8	549.9	547.9	542.0	536.8	532.0	528.2	524.3	519.3	513.8	504.2	498.5	488.8	480.7	
9	467.7	441.0	413.3	388.4	365.7	342.7	322.2	301.7	283.6	264.2	246.2	230.2	214.6	
10	302.9	321.9	343.6	364.4	389.4	414.6	442.1	469.7	497.2	529.2	559.4	587.4	618.4	
11	332.9	332.2	330.8	328.7	325.2	324.4	321.3	317.1	311.4	305.9	304.0	299.7	295.1	
12	506.0	508.4	512.0	510.2	506.5	501.5	497.8	495.0	490.5	488.4	483.0	481.5	487.7	
13	324.6	322.6	319.6	318.0	313.9	312.9	313.5	314.2	311.4	310.1	307.1	301.5	295.9	
14	495.8	497.4	495.4	491.1	488.4	483.0	481.3	480.5	477.2	475.1	473.2	473.7	469.7	
15	316.2	314.3	311.2	308.2	305.2	303.0	302.0	298.0	296.0	291.1	289.3	285.5	282.2	
16	474.4	473.5	470.1	471.2	467.6	464.3	457.0	454.4	450.2	447.0	444.1	443.2	438.9	
17	478.0	451.4	425.6	400.0	376.3	353.7	333.5	312.3	293.4	273.6	256.4	240.5	225.4	
19	275.1	274.1	273.6	272.7	270.6	272.2	272.2	268.9	265.2	262.0	260.2	257.9	254.2	
20	399.5	399.7	400.4	399.9	400.4	400.6	403.0	403.6	400.2	399.9	399.9	396.6	392.8	
21	267.2	266.6	267.0	265.9	265.3	266.7	267.6	263.9	261.1	259.7	254.0	250.1	246.7	
22	381.5	379.9	379.5	379.6	380.1	382.0	387.4	389.9	390.5	390.7	393.2	394.3	391.3	
23	233.6	237.4	240.3	241.0	240.4	238.3	241.1	236.0	232.4	227.6	224.7	224.4	220.8	
24	341.5	342.2	343.5	343.4	343.2	341.8	342.5	338.5	336.9	334.3	335.6	337.5	337.1	
25	229.2	230.3	230.7	230.9	231.1	230.2	229.3	226.3	224.3	221.5	216.7	212.9	206.9	
26	320.9	320.4	320.2	319.7	318.3	318.3	320.5	319.8	316.6	316.6	316.5	315.2	316.0	
43	319.8	323.7	326.3	330.1	334.2	336.6	336.6	338.1	334.5	332.2	327.5	324.3	316.9	
44	490.9	499.4	505.9	511.6	517.5	522.5	527.7	530.9	532.0	531.9	532.3	533.6	534.8	
67	221.5	224.2	226.1	225.9	226.4	225.6	225.4	221.8	218.7	215.1	213.1	209.6	203.2	
68	306.6	309.3	312.0	315.1	320.4	322.6	326.1	326.3	327.6	328.3	328.2	329.6	329.8	
85	385.9	387.2	388.4	388.5	387.1	387.0	384.6	380.6	375.1	366.5	359.1	350.2	343.2	
86	581.4	581.7	583.6	584.4	584.4	584.0	584.3	582.9	577.8	572.3	565.6	561.5	552.7	
87	349.0	366.9	384.8	400.7	416.9	435.3	452.7	469.5	482.6	493.8	510.7	525.5	536.4	
88	442.4	466.5	491.7	513.1	535.7	558.9	583.3	608.0	628.4	648.6	669.2	693.6	712.0	
89	228.7	241.0	254.4	269.5	285.9	303.2	322.7	340.2	362.4	384.5	410.3	434.3	461.2	
90	232.8	248.9	266.7	283.6	304.4	324.4	349.3	369.5	391.6	416.0	443.7	471.7	499.2	
91	232.4	247.5	261.0	277.0	295.6	314.6	334.9	355.8	378.1	400.6	429.2	456.8	483.8	
921	497.2	469.9	442.5	415.7	390.9	366.2	346.3	323.8	302.9	283.2	264.8	247.5	230.8	

Table XXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 386 Pi	R: 387 Pi	R: 388 Pi	R: 389 Pi	R: 390 Pi	R: 391 Pi	R: 392 Pi	R: 393 Pi	R: 394 Pi	R: 395 Pi	R: 396 Pi	R: 397 Pi	R: 398 Pi
922	389.6	415.1	441.3	467.5	495.5	525.9	558.7	589.9	619.8	647.8	681.3	710.8	741.9
93	297.9	314.9	335.9	358.0	381.9	408.3	437.0	462.8	494.5	517.8	548.1	577.3	607.7
94	388.7	417.0	443.9	471.6	501.1	531.3	567.8	595.6	624.1	651.6	683.3	712.9	743.5
95	241.1	256.6	273.3	291.2	310.5	332.0	356.4	377.9	401.6	425.8	451.7	478.1	509.5
125	240.9	246.5	249.4	251.2	251.2	249.8	249.6	244.5	241.3	235.9	227.6	220.5	210.0
126	378.3	377.0	375.7	372.4	369.1	364.4	360.2	349.8	344.6	337.3	331.1	326.5	327.5
128	550.9	517.1	482.0	452.1	420.6	402.9	382.5	369.0	355.0	341.9	321.7	307.3	296.7
132	220.3	227.5	236.3	246.0	258.1	272.4	286.8	304.6	327.7	346.7	368.7	394.6	422.2
201	881.2	857.2	829.5	801.8	773.0	741.8	713.1	681.7	649.0	614.9	581.3	549.1	515.8
202	963.9	950.6	934.2	915.0	895.4	872.7	852.8	830.1	804.5	774.5	745.2	717.4	690.4
203	1000.2	998.0	991.5	982.8	973.7	960.7	949.3	933.1	914.1	888.1	864.0	838.7	811.2
204	976.3	984.3	992.8	997.3	999.9	1000.2	1000.2	995.6	986.9	971.6	957.2	942.5	922.3
205	894.2	915.8	932.4	948.8	964.4	977.5	990.5	998.3	1004.1	1001.9	1000.4	999.8	992.3
206	781.9	810.2	836.2	860.2	884.4	907.4	929.8	949.6	965.5	975.8	985.9	996.1	1002.3
207	687.5	719.3	744.9	772.0	801.4	827.6	854.4	879.6	903.5	920.4	939.3	956.6	972.3
208	618.7	649.2	678.1	702.9	732.1	761.0	792.0	820.5	844.6	864.8	889.7	911.9	932.2
209	715.9	717.7	718.8	718.5	717.1	713.9	709.8	699.6	691.8	676.0	663.7	649.7	633.0
210	811.7	817.7	821.9	822.7	823.5	823.0	819.9	812.8	803.6	787.5	774.5	762.2	743.9
211	909.5	917.6	926.0	927.8	931.8	930.8	930.4	923.7	916.4	900.8	885.1	873.1	854.9
212	996.0	1001.7	1008.0	1011.8	1014.6	1014.1	1014.8	1010.0	1001.1	985.0	972.9	959.9	936.6
213	968.0	972.6	976.4	978.6	980.1	978.0	977.2	971.5	961.7	948.4	935.0	921.4	899.9
214	906.4	909.3	911.2	910.2	908.9	907.3	903.1	896.2	885.2	871.9	858.1	846.0	825.0
215	477.0	451.5	425.6	402.1	379.1	355.5	335.5	313.6	293.0	274.6	256.3	239.0	223.8
216	380.0	385.0	388.6	390.8	392.7	393.1	393.1	392.0	387.3	381.7	376.6	372.9	367.3
217	516.0	527.7	536.4	544.3	550.3	554.2	558.5	561.8	562.7	562.1	559.7	557.4	554.7
218	380.0	405.8	433.4	456.7	484.5	514.6	547.3	577.7	605.5	631.9	659.7	693.3	721.8
219	266.4	269.3	270.0	268.3	269.5	269.1	267.5	264.7	263.0	257.5	250.9	248.9	244.0
220	366.4	367.6	371.6	378.1	380.1	387.3	389.2	388.2	389.0	387.7	386.5	387.3	384.0
221	226.8	229.2	230.3	231.2	233.5	233.9	232.7	228.9	226.4	221.2	214.3	209.3	209.9
222	312.6	313.7	313.5	313.0	314.7	317.7	318.7	319.2	318.8	318.7	321.5	325.2	325.0
223	223.8	224.4	224.4	226.0	225.5	225.3	223.5	218.5	212.6	204.3	201.3	195.6	154.1
224	299.1	301.3	303.4	306.5	307.5	309.2	313.3	314.3	316.6	320.6	322.3	323.6	322.9
225	404.2	381.5	358.4	337.0	318.2	299.6	281.7	264.5	249.6	235.2	222.7	210.2	196.8
226	627.5	597.3	568.8	538.5	512.3	486.3	461.7	438.8	413.4	386.6	361.6	340.8	316.6
227	696.6	666.4	634.7	607.2	576.5	546.4	516.4	487.1	458.4	431.0	403.9	378.8	351.5
228	778.8	746.5	715.8	682.4	650.1	618.2	585.1	549.6	509.7	469.1	434.8	408.2	381.2

Table XXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 386	R: 387	R: 388	R: 389	R: 390	R: 391	R: 392	R: 393	R: 394	R: 395	R: 396	R: 397	R: 398	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	480.8	510.6	539.1	566.8	596.8	627.1	658.0	689.8	718.8	745.4	773.7	804.3	832.4	
230	252.4	270.7	287.5	306.7	328.1	350.1	373.4	395.2	419.7	444.1	471.0	500.0	528.5	
231	493.2	490.3	490.8	487.9	486.3	484.5	480.6	476.3	468.5	457.9	448.3	441.6	429.3	
232	646.2	644.9	642.9	640.6	638.5	632.3	627.2	618.7	609.5	593.2	581.9	569.7	552.2	
233	832.5	832.4	831.1	828.8	824.5	820.3	816.4	806.7	798.4	785.7	771.3	758.1	740.7	
234	708.5	708.2	705.0	701.4	697.6	693.7	688.9	682.1	672.7	659.0	650.6	639.2	629.6	
235	262.1	266.9	270.1	272.8	272.1	270.4	268.1	264.1	261.2	256.1	249.9	233.2	228.5	
236	252.2	264.4	271.6	279.7	287.9	294.3	304.0	309.9	316.6	313.0	320.8	331.7	345.6	
237	243.0	255.4	267.8	283.0	298.1	314.9	337.0	356.4	373.3	394.8	416.5	437.1	462.9	
238	241.3	254.5	270.5	286.0	304.1	324.4	346.9	366.1	388.8	409.6	434.3	455.1	483.8	
239	238.6	253.3	268.3	287.1	306.4	326.9	349.6	370.8	396.6	418.2	443.4	469.4	499.6	
240	204.4	217.5	226.5	236.3	250.0	264.7	279.7	296.3	312.5	349.9	367.5	394.5	418.5	
241	223.2	236.2	242.2	245.1	249.5	255.6	255.5	256.4	256.7	267.9	269.5	277.9	283.5	
242	106.8	99.2	91.6	84.4	80.5	76.9	74.7	72.2	70.9	69.0	67.3	67.7	68.8	
243	220.3	209.3	199.3	188.9	174.8	166.2	158.5	151.0	143.7	136.1	126.9	118.6	112.0	
244	385.2	362.9	343.3	324.6	306.9	290.6	274.9	259.4	246.5	233.7	223.5	213.5	202.7	
245	390.9	368.2	345.6	324.8	306.2	289.3	273.8	257.3	243.4	230.3	219.1	208.3	199.5	
246	297.6	295.8	292.6	289.2	286.4	284.2	281.5	277.9	275.5	271.9	267.9	264.0	260.0	
247	255.3	260.3	264.8	264.5	262.7	260.8	257.3	250.9	245.4	235.2	223.0	206.7	191.3	
248	237.0	239.6	242.7	244.0	243.2	240.9	239.0	234.0	229.1	222.9	215.8	210.8	204.5	
249	346.1	345.5	343.2	338.9	337.1	334.8	333.2	327.7	324.1	319.7	313.2	308.6	303.8	
250	159.6	193.9	218.8	238.5	250.5	256.1	261.7	259.0	252.9	241.5	221.0	204.2	176.1	
251	180.7	185.0	188.2	187.3	183.6	174.7	167.1	162.5	162.2	160.0	155.4	153.3	152.7	
252	499.8	528.2	558.4	587.9	620.5	650.6	682.3	715.1	744.7	768.5	799.2	829.1	852.9	

Table XXIV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 400	R: 401	R: 402	R: 403	R: 404	R: 405	R: 406	R: 407	R: 408	R: 409	R: 410	R: 411	R: 412	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	487.9	489.0	489.2	490.5	491.9	492.5	493.7	492.2	493.7	492.9	490.4	491.8	486.9	
3	526.5	497.1	485.2	473.8	459.5	456.7	450.1	442.1	437.8	420.0	409.1	390.5	366.5	
4	388.9	412.9	424.8	439.6	451.7	459.2	466.5	473.0	476.3	491.3	506.8	521.8	557.2	
5	515.7	484.8	473.1	461.1	446.7	444.3	439.1	429.6	423.1	407.6	395.3	380.8	355.7	
6	376.6	397.0	410.2	421.4	433.5	438.6	446.1	453.7	459.0	473.3	488.2	503.1	535.4	
7	500.7	472.3	461.4	449.7	435.3	431.9	427.0	419.5	412.4	397.3	385.9	369.9	346.1	
8	368.8	389.4	402.0	414.6	426.5	432.6	440.3	445.4	452.5	464.5	480.8	495.1	529.0	
9	346.2	348.9	348.1	347.5	347.7	347.1	346.4	346.9	348.0	347.5	348.4	348.1	342.6	
10	413.1	416.0	417.5	416.8	418.8	419.9	419.6	421.0	420.0	421.0	422.4	419.8	418.3	
11	488.6	459.3	443.8	430.4	420.3	411.6	404.8	397.0	387.9	376.0	362.2	350.1	324.6	
12	339.7	356.1	369.8	376.9	375.1	377.7	382.7	389.2	418.0	435.6	449.2	465.5	502.1	
13	472.2	444.8	432.0	415.9	407.2	399.2	393.6	385.7	376.4	364.7	350.3	338.5	314.1	
14	331.5	348.2	366.3	379.4	390.2	395.0	395.4	400.8	407.0	422.0	436.0	448.3	483.1	
15	453.3	425.7	413.9	398.1	390.9	383.8	377.0	369.9	362.2	352.0	336.6	327.2	303.1	
16	312.0	327.0	340.0	352.0	363.0	369.8	372.9	380.0	389.8	401.6	415.5	431.3	465.0	
17	356.2	358.4	362.3	363.2	360.8	360.5	363.1	363.9	363.0	362.1	359.1	357.2	352.3	
19	396.8	372.8	364.8	352.6	337.5	333.4	329.3	325.0	319.6	309.3	298.4	287.4	271.6	
20	280.8	300.5	305.5	312.6	324.0	329.7	334.6	339.3	344.1	351.9	365.2	376.9	400.1	
21	376.8	359.0	344.8	333.7	323.7	317.9	312.4	309.9	304.1	295.5	287.5	280.9	266.8	
22	272.5	289.0	298.1	306.6	310.3	314.9	320.0	325.5	329.9	341.4	351.7	358.2	382.5	
23	333.8	308.3	300.5	289.2	281.4	277.5	274.1	269.4	264.2	260.6	251.3	245.6	237.9	
24	246.0	260.8	267.2	275.0	283.7	287.0	289.2	291.9	292.8	302.2	312.3	322.5	341.2	
25	312.9	292.7	285.6	275.7	265.9	264.2	261.0	259.0	253.7	249.3	243.8	240.8	230.2	
26	231.2	243.5	250.2	258.4	265.0	269.0	272.4	277.0	281.3	284.8	289.5	298.5	319.4	
43	516.9	485.8	468.1	451.9	440.2	433.0	423.9	417.6	407.5	392.0	377.1	364.7	335.6	
44	357.7	378.6	396.2	411.2	427.0	431.3	439.8	457.8	459.8	473.8	485.7	502.9	522.3	
67	311.6	291.3	285.0	274.3	266.3	261.6	258.3	257.6	254.1	246.7	241.4	239.4	226.5	
68	231.3	246.0	250.8	260.2	267.2	271.7	274.9	280.4	282.1	287.4	291.7	301.4	323.1	
85	559.9	529.8	514.8	500.9	486.1	481.0	475.6	469.2	460.1	443.8	430.2	414.3	388.1	
86	414.6	439.4	453.7	467.2	479.7	487.9	495.8	501.9	508.1	522.8	538.5	555.6	584.0	
87	545.4	529.0	522.6	513.8	505.3	502.9	499.0	496.2	488.7	477.7	468.2	456.2	434.8	
88	450.5	468.5	479.0	487.4	497.4	503.2	507.4	511.3	514.8	524.4	533.5	542.7	558.2	
89	329.4	322.7	321.8	320.4	317.2	316.1	316.5	314.9	313.2	310.0	308.7	304.7	301.5	
90	307.5	313.0	313.3	315.1	317.1	317.9	319.3	319.0	320.2	319.9	321.5	322.5	323.9	
91	317.7	316.2	316.4	316.4	316.0	315.9	315.4	313.8	314.2	313.8	314.4	314.0	313.4	
921	364.5	368.4	368.7	369.9	370.0	370.3	371.2	372.2	373.0	374.5	373.8	373.2	368.1	

Table XXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 400	R: 401	R: 402	R: 403	R: 404	R: 405	R: 406	R: 407	R: 408	R: 409	R: 410	R: 411	R: 412	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	517.2	521.7	522.6	525.0	527.4	527.0	528.9	529.3	531.4	530.2	530.6	529.2	527.1	
93	408.4	408.9	411.7	410.3	412.1	413.2	413.6	415.2	414.2	414.5	414.7	413.2	411.9	
94	514.2	519.4	520.4	525.2	528.6	529.5	531.0	531.0	532.1	532.9	535.5	535.8	532.2	
95	330.0	327.6	329.3	331.2	333.8	333.9	333.7	331.7	332.1	332.1	331.7	331.9	332.6	
125	351.2	326.8	315.4	308.3	296.5	293.6	288.7	283.1	278.2	270.6	265.5	256.9	249.9	
126	260.2	277.2	285.6	293.0	298.4	300.2	303.3	307.4	313.4	321.7	333.0	343.3	364.0	
128	418.5	377.6	402.1	407.9	383.8	379.3	377.1	380.8	391.9	395.4	373.7	360.1	398.8	
132	273.8	273.1	272.5	274.9	276.2	276.7	278.3	277.8	277.6	277.3	276.1	275.9	269.9	
201	751.7	751.9	753.4	752.7	753.1	752.8	752.2	754.7	754.5	754.1	754.4	750.4	743.0	
202	884.8	885.9	888.8	887.5	888.4	888.0	887.9	890.3	889.3	889.0	887.3	885.4	874.7	
203	969.5	971.6	974.7	974.7	976.1	976.5	975.6	978.3	977.1	977.6	975.7	973.5	961.8	
204	1009.1	1012.4	1014.2	1014.6	1016.6	1017.1	1015.0	1019.0	1016.5	1017.6	1015.3	1014.6	1001.6	
205	984.0	987.9	990.6	990.2	994.7	994.9	993.3	996.5	994.7	995.6	994.3	992.6	980.1	
206	912.8	917.8	920.2	920.9	923.1	925.2	922.8	925.3	926.0	925.1	924.5	921.3	910.7	
207	830.1	834.0	835.3	836.7	839.0	840.7	839.6	841.4	841.7	841.3	843.2	839.9	830.5	
208	762.7	766.7	768.4	770.0	770.4	772.3	771.3	773.5	774.6	773.3	773.2	772.0	762.3	
209	883.5	856.9	844.5	832.2	819.2	812.3	808.5	799.2	794.2	779.7	765.2	747.2	714.8	
210	958.7	941.0	930.1	920.7	912.1	906.0	902.9	896.6	891.4	880.3	868.3	853.2	823.2	
211	1009.9	1002.4	997.3	991.7	988.4	985.2	981.9	981.0	976.6	970.4	963.9	955.4	930.9	
212	952.8	967.5	976.2	982.1	990.9	992.5	994.1	998.2	1001.6	1008.5	1010.9	1017.2	1015.6	
213	854.9	879.8	891.9	903.4	914.9	919.5	925.0	928.9	936.0	948.6	956.3	968.3	978.9	
214	736.4	768.3	783.9	798.5	812.9	819.6	827.0	830.9	840.7	856.9	869.1	884.8	904.9	
215	360.3	360.8	360.1	362.0	360.9	360.0	360.8	362.1	362.1	363.0	362.8	362.1	356.0	
216	564.8	535.6	521.7	507.3	492.0	485.6	481.3	475.1	466.7	451.6	437.1	421.0	394.3	
217	520.3	489.5	479.4	475.6	477.4	481.2	485.4	490.1	494.2	498.4	506.4	516.4	525.5	
218	525.4	525.4	524.5	526.6	526.5	526.8	528.6	527.8	527.2	527.4	524.3	521.6	516.8	
219	388.8	368.0	355.2	342.0	331.2	325.6	320.7	315.3	311.8	300.5	290.8	284.8	269.8	
220	271.2	289.1	298.5	306.4	311.0	315.1	321.0	326.0	331.4	341.8	355.0	361.3	385.6	
221	316.3	292.9	285.4	275.4	268.9	266.7	262.1	259.2	257.9	251.4	248.7	243.1	233.7	
222	231.9	242.0	250.3	257.0	264.9	268.1	271.5	276.9	280.0	290.5	295.0	298.4	317.2	
223	303.2	287.7	277.8	269.0	264.0	259.8	256.3	253.4	249.3	245.9	243.0	238.4	224.7	
224	225.9	237.5	246.5	254.9	260.9	263.5	267.3	269.7	272.7	281.6	289.1	294.1	309.9	
225	302.8	304.6	306.9	307.7	309.8	309.8	310.4	309.6	310.2	309.7	305.8	304.7	299.7	
226	484.4	487.8	488.4	486.3	486.8	487.4	486.9	488.4	488.3	489.0	488.8	487.7	486.4	
227	546.7	550.8	551.6	551.5	549.4	551.2	550.2	551.9	552.2	553.3	552.3	551.5	546.9	
228	618.7	622.1	621.8	621.7	621.9	621.3	622.9	623.2	624.1	624.6	625.4	623.8	617.7	

Table XXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 400	R: 401	R: 402	R: 403	R: 404	R: 405	R: 406	R: 407	R: 408	R: 409	R: 410	R: 411	R: 412
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	625.9	628.5	629.4	632.0	632.9	633.3	634.5	635.2	635.2	635.1	635.3	633.8	627.5
230	347.3	346.8	348.4	351.4	352.1	352.7	351.7	351.6	351.8	349.3	349.8	347.6	348.8
231	671.1	639.2	624.0	610.4	596.2	589.8	581.8	574.3	567.8	552.4	532.7	514.3	485.5
232	808.4	780.0	765.8	753.0	738.1	733.2	727.8	719.9	712.8	700.1	683.9	666.5	633.0
233	639.8	672.3	687.0	701.6	716.9	724.2	732.0	737.7	744.9	763.3	778.7	792.4	822.2
234	503.0	536.1	550.4	564.8	581.3	587.9	594.7	602.9	609.5	626.4	644.2	662.3	692.3
235	399.5	381.0	369.8	356.8	343.3	340.4	334.2	326.3	325.0	312.7	301.2	289.6	270.1
236	396.5	381.7	374.8	364.9	353.4	350.4	346.3	342.0	336.2	329.9	320.2	310.3	297.5
237	356.6	351.5	350.1	347.5	342.9	341.1	338.4	337.6	335.6	331.6	327.8	321.1	314.7
238	345.6	341.0	341.2	340.7	338.5	336.2	335.0	332.8	333.1	330.4	331.1	326.5	324.7
239	333.1	328.6	329.1	332.4	333.0	333.6	331.2	331.4	330.9	330.4	328.7	328.2	327.6
240	274.2	271.0	278.3	284.9	283.3	283.4	283.5	282.2	279.3	267.8	265.5	264.8	261.5
241	325.0	311.4	302.3	295.3	290.5	290.0	286.7	286.3	281.5	275.9	271.4	266.0	252.4
242	76.7	86.8	91.3	93.3	94.0	94.3	94.1	94.0	93.8	91.0	86.9	80.0	76.8
243	166.1	160.1	158.5	156.2	153.6	154.3	154.6	154.3	155.1	156.8	158.6	162.7	166.2
244	293.8	298.2	298.1	298.4	296.9	296.2	295.2	295.0	294.4	293.2	292.5	291.5	287.3
245	296.6	300.7	302.6	304.3	301.1	300.9	300.5	300.6	299.3	299.7	298.8	293.4	290.9
246	293.7	309.6	317.4	324.5	326.2	326.6	325.6	324.5	322.4	319.2	315.1	309.6	303.4
247	389.6	366.7	355.0	339.7	326.5	321.1	314.2	310.9	305.7	293.5	282.9	275.8	260.0
248	332.0	309.7	297.8	290.5	279.3	276.2	272.3	267.8	265.7	257.5	252.7	247.5	240.7
249	243.5	258.4	265.6	272.0	279.5	283.4	289.4	288.8	290.6	295.1	305.4	314.3	332.7
250	319.7	308.9	302.7	297.2	290.0	287.2	286.4	286.1	285.3	282.7	278.4	267.3	255.5
251	224.6	213.1	206.8	200.7	196.1	195.3	194.8	194.5	191.9	185.9	183.2	177.6	174.1
252	648.4	650.3	652.6	654.8	655.7	657.3	657.9	659.3	659.8	659.5	657.9	657.3	651.4

Table XXV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 433 Pi	R: 437 Pi	R: 435 Pi	R: 436 Pi
2	546.7	552.3	551.6	548.8
3	475.6	450.0	417.9	362.8
4	432.4	463.5	496.1	566.5
5	459.7	434.3	403.3	348.2
6	410.5	440.8	471.7	538.8
7	439.2	416.6	387.8	338.6
8	400.3	430.6	460.2	527.4
9	306.0	308.3	308.7	303.0
10	475.2	480.4	480.3	478.6
11	424.9	395.0	365.5	319.1
12	370.1	402.5	430.3	500.9
13	415.4	389.0	361.5	315.1
14	361.8	391.7	417.0	485.3
15	400.9	371.2	342.5	300.1
16	344.8	375.0	402.7	458.1
17	315.8	319.7	317.9	313.6
19	356.6	332.8	307.0	269.7
20	308.1	333.9	358.6	408.2
21	340.9	318.3	296.8	273.0
22	306.3	322.2	346.9	393.2
23	292.9	275.1	258.7	240.9
24	267.4	285.2	300.3	343.9
25	275.9	263.6	250.2	236.8
26	250.8	268.2	284.0	319.8
43	466.1	431.7	396.2	336.3
44	409.0	448.0	486.4	532.1
67	277.9	262.1	249.8	229.3
68	257.4	274.5	289.3	327.3
85	498.9	472.1	435.9	378.8
86	455.9	488.8	523.8	590.1
87	556.6	539.2	512.5	468.4
88	523.8	548.6	570.8	614.0
89	362.9	362.1	354.4	345.0
90	355.0	362.2	367.5	373.7
91	358.8	358.9	361.1	362.5
921	325.6	328.0	328.4	326.8

Table XXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 433 Pi	R: 437 Pi	R: 435 Pi	R: 436 Pi
922	592.3	598.2	603.2	596.2
93	468.3	472.2	474.6	469.4
94	588.5	597.0	599.8	600.2
95	378.6	381.8	381.3	384.6
125	298.5	279.3	265.3	249.5
126	280.4	294.9	311.5	354.4
128	359.6	334.8	347.4	376.3
132	308.0	310.0	317.4	315.5
201	683.7	683.9	688.7	677.9
202	833.2	836.1	839.3	827.6
203	936.8	940.7	943.6	930.7
204	1002.8	1007.9	1009.4	992.4
205	1006.7	1013.8	1014.0	1000.4
206	958.6	967.5	966.2	952.9
207	887.9	894.1	894.8	884.3
208	825.5	832.3	832.5	823.8
209	818.2	791.1	764.9	692.2
210	908.1	888.5	865.7	804.0
211	982.8	974.4	959.3	919.4
212	967.1	984.5	1000.6	1012.6
213	887.3	913.0	940.6	977.7
214	778.2	811.9	847.2	904.0
215	318.2	319.0	320.1	315.3
216	510.7	482.0	447.9	389.5
217				
218	592.5	595.2	591.6	584.1
219	343.1	320.1	295.8	269.6
220	301.5	319.4	343.6	392.7
221	276.2	264.5	255.8	236.0
222	253.4	269.3	292.2	318.4
223	276.6	261.1	252.8	224.9
224	247.4	266.5	286.8	320.7
225	274.8	274.4	275.1	268.0
226	437.3	438.8	442.5	437.1
227	483.8	483.0	488.8	482.5
228	547.7	546.2	553.0	545.3

Table XXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 433 Pi	R: 437 Pi	R: 435 Pi	R: 436 Pi
229	693.6	700.3	701.5	695.6
230	398.1	402.8	399.2	400.7
231	598.6	567.9	534.5	468.2
232	736.8	708.6	680.8	611.8
233	681.1	714.3	752.3	816.6
234	549.1	581.6	619.5	688.2
235	366.1	336.7	308.1	265.8
236	392.9	371.5	350.3	311.4
237	392.1	384.2	373.1	356.5
238	387.4	382.1	379.6	372.2
239	377.8	380.1	379.5	377.0
240	320.6	318.6	303.0	308.5
241	325.6	314.1	299.9	265.0
242	82.8	83.7	84.0	74.3
243	140.7	137.7	140.2	153.0
244	266.5	266.6	264.8	262.0
245	269.4	269.2	269.1	260.4
246	354.7	328.0	307.4	268.3
247	339.5	314.0	289.9	256.5
248	285.9	268.3	253.4	242.1
249	261.3	277.6	289.3	327.7
250	272.6	270.6	270.6	268.5
251	206.0	200.5	191.2	177.5
252	718.5	725.1	725.9	722.1

Table XXVI: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Upright, Pressures in psf, Side Probes

Office ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 419	R: 420	R: 421	R: 422	R: 423	R: 424	R: 432	R: 426	R: 427	R: 428	R: 429	R: 430	R: 431
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	356.3	357.6	358.9	359.3	360.2	360.8	361.7	363.1	363.1	365.1	365.9	364.5	363.0
3	509.5	483.9	471.5	458.3	447.5	442.0	433.3	427.7	419.7	406.5	392.9	382.3	355.2
4	374.9	391.6	403.0	419.0	433.7	438.1	445.7	453.2	460.1	475.0	488.8	506.0	538.0
5	519.5	492.7	479.5	464.3	455.3	447.6	441.2	434.9	426.4	411.1	395.7	384.8	358.3
6	374.3	392.2	405.2	420.6	436.2	440.4	448.5	457.2	465.2	478.5	495.4	512.3	545.7
7	525.2	498.0	486.0	470.6	461.6	454.2	445.9	440.8	432.1	417.2	401.9	391.0	364.0
8	381.3	399.9	413.4	427.6	445.2	449.1	456.8	465.9	472.6	487.9	503.5	521.0	553.3
9	469.5	471.8	474.8	476.1	476.4	476.5	479.7	479.4	478.1	478.0	477.8	473.7	472.7
10	302.7	304.0	303.6	306.1	306.2	306.2	307.6	307.4	307.5	307.6	307.4	307.4	307.1
11	495.0	466.5	451.9	441.4	428.5	418.9	412.2	404.7	398.1	387.0	372.4	359.6	338.5
12	345.4	360.0	374.9	386.8	401.2	408.6	416.3	421.2	428.0	441.9	457.5	474.0	510.5
13	488.0	458.7	443.9	434.7	418.5	410.8	402.5	394.0	389.8	376.5	363.2	347.5	330.1
14	335.1	352.5	365.9	377.0	391.8	399.8	408.1	412.8	420.5	435.5	450.0	466.4	500.3
15	469.8	442.7	427.4	417.2	404.3	395.2	389.0	382.4	375.8	364.5	350.4	338.4	319.6
16	318.8	336.0	347.8	359.5	373.0	379.8	388.2	392.2	399.4	414.4	427.8	443.1	477.1
17	478.4	486.8	489.0	490.7	495.5	496.4	498.8	498.8	498.1	495.9	492.9	489.6	481.6
19	403.5	383.2	373.3	358.8	347.1	341.7	337.4	329.7	325.3	315.2	303.4	297.9	280.6
20	279.9	296.5	305.9	310.5	321.8	325.3	332.2	339.1	347.1	358.1	369.0	379.0	404.3
21	385.2	361.0	346.6	338.5	324.0	320.2	315.6	309.5	304.8	297.9	291.0	281.8	279.3
22	267.3	284.2	293.5	304.5	308.6	310.7	315.1	323.4	326.1	337.7	352.0	362.0	385.2
23	331.9	310.8	296.3	288.3	278.2	275.6	271.6	268.5	264.6	257.3	251.8	253.9	240.6
24	242.3	258.1	266.8	273.3	281.3	284.3	291.1	290.5	294.9	303.2	311.2	321.4	344.5
25	323.0	300.6	289.8	282.2	273.6	270.5	266.7	262.6	260.3	258.6	255.9	246.7	238.6
26	229.8	241.4	247.3	257.2	265.1	268.1	273.0	277.7	280.5	289.0	291.9	302.3	321.4
43	478.2	451.2	437.3	426.5	413.2	404.5	398.3	390.5	384.4	373.8	358.1	344.0	325.2
44	335.4	352.7	367.2	378.0	393.5	400.9	407.2	412.9	420.9	434.8	450.8	468.1	497.8
67	303.7	283.8	274.4	266.9	258.9	256.0	253.6	250.3	246.9	244.2	245.8	237.7	229.4
68	226.4	233.2	239.1	247.5	253.8	258.7	262.2	265.9	268.7	275.6	279.4	289.0	307.5
85	559.8	529.0	516.0	501.6	489.7	483.3	476.6	469.0	462.0	445.5	432.1	417.4	389.5
86	412.8	432.3	447.9	464.0	477.8	483.6	493.3	500.7	506.2	521.2	537.4	555.7	588.8
87	435.9	423.0	416.5	409.9	404.1	403.2	399.8	396.1	391.9	387.0	378.3	368.9	354.2
88	362.7	372.2	378.3	388.8	393.9	397.8	403.9	407.3	410.8	418.7	427.8	436.7	447.4
89	238.4	236.5	237.0	234.7	236.2	237.6	235.6	235.7	234.9	234.8	232.9	231.6	231.9
90	227.9	233.4	235.9	235.5	235.2	235.3	235.0	235.7	234.5	236.6	237.4	236.0	235.4
91	235.4	235.8	234.2	233.8	231.2	231.1	231.3	232.6	234.7	234.1	234.6	235.0	235.4
921	500.8	505.5	504.2	505.8	506.5	506.1	508.3	509.0	507.9	506.7	505.7	503.7	501.6

Table XXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 419	R: 420	R: 421	R: 422	R: 423	R: 424	R: 432	R: 426	R: 427	R: 428	R: 429	R: 430	R: 431	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	385.1	386.9	389.6	389.8	388.6	391.1	392.3	394.0	393.8	395.3	395.8	396.6	395.0	
93	297.7	296.9	298.0	300.4	301.6	302.1	301.6	301.2	301.9	302.7	303.4	303.8	303.0	
94	373.6	378.0	380.9	382.2	384.6	385.7	387.0	390.3	391.3	393.3	395.2	395.9	397.1	
95	240.9	241.2	241.9	243.8	243.3	243.5	243.3	244.2	243.2	244.3	245.0	244.7	245.7	
125	366.0	337.2	325.4	312.4	302.4	297.9	289.1	285.8	281.4	272.8	264.6	257.4	249.1	
126	252.4	271.2	282.4	291.0	301.0	302.3	306.5	310.1	318.4	328.4	341.0	352.6	378.6	
128	562.6	561.6	564.8	563.0	556.8	553.8	555.0	554.8	555.3	561.4	555.9	549.0	558.8	
132	219.8	220.4	221.2	224.1	225.0	225.5	225.8	227.1	228.3	229.2	227.3	226.8	224.6	
201	887.5	891.7	892.7	896.9	897.4	897.8	901.9	900.9	904.1	901.3	900.0	895.3	887.3	
202	969.6	977.1	979.8	981.5	982.6	982.5	986.2	987.4	989.9	984.4	986.2	980.2	970.9	
203	1003.3	1010.7	1012.9	1016.2	1017.2	1016.5	1022.8	1021.3	1025.6	1020.6	1022.3	1017.4	1007.6	
204	980.1	986.0	989.5	992.9	992.9	993.0	997.4	996.2	999.3	997.1	996.6	992.7	983.1	
205	892.4	899.5	902.1	905.3	906.4	907.3	910.9	911.1	913.4	912.0	911.3	906.4	899.3	
206	782.8	788.5	790.4	792.2	794.5	794.2	796.9	797.0	799.6	798.8	799.2	795.2	787.6	
207	682.9	688.7	691.9	693.7	694.6	695.8	697.4	699.7	699.4	701.9	700.9	698.8	693.3	
208	616.0	620.7	622.6	624.0	625.6	626.1	628.0	629.4	629.8	632.5	632.1	630.1	626.4	
209	886.8	860.3	848.7	837.1	825.1	818.5	810.8	807.9	801.9	786.0	769.7	750.7	716.6	
210	950.0	929.8	922.6	913.1	903.9	901.0	895.6	892.3	887.2	875.1	860.4	845.2	812.1	
211	986.5	979.6	976.9	973.9	968.0	967.1	967.3	962.8	963.8	955.0	947.6	936.7	913.8	
212	923.1	941.8	951.0	960.1	967.1	970.4	977.7	981.1	985.1	989.0	996.5	999.2	1003.8	
213	835.6	864.6	875.0	890.0	902.0	908.5	916.2	924.6	930.9	939.2	951.4	962.0	976.9	
214	732.2	764.1	780.2	797.1	812.5	820.0	828.0	838.7	847.5	860.8	877.5	890.9	917.4	
215	491.6	493.7	493.5	494.2	493.8	493.4	493.5	493.5	493.8	491.0	488.1	484.4	481.9	
216	544.4	515.9	503.9	489.8	478.2	471.8	465.9	459.5	452.2	435.2	422.6	409.4	382.4	
217														
218	390.4	390.6	391.2	390.0	390.6	390.4	390.3	392.0	392.5	391.9	389.7	389.7	384.2	
219	374.3	351.5	337.6	329.5	315.4	313.4	310.3	303.9	299.5	293.0	285.9	278.7	276.0	
220	262.7	276.4	284.9	294.8	298.9	299.9	305.4	311.1	315.1	325.3	337.3	347.0	367.9	
221	309.2	288.4	280.3	272.6	266.7	263.3	260.8	258.5	258.3	256.9	247.1	245.5	237.7	
222	228.9	238.4	242.8	248.2	257.3	260.8	264.0	269.3	273.5	281.5	290.6	293.9	311.7	
223	297.8	277.7	271.5	265.5	259.6	254.8	255.3	256.0	256.6	249.6	244.3	239.4	234.1	
224	223.7	234.2	236.9	243.3	249.5	252.3	255.6	258.2	261.3	269.8	278.6	284.5	298.9	
225	404.9	408.3	412.8	415.1	415.3	414.7	416.4	416.0	415.2	415.3	415.1	411.7	408.8	
226	622.0	625.0	627.5	629.1	629.5	631.6	633.8	634.2	635.4	636.0	635.7	634.4	629.6	
227	693.7	698.1	700.2	701.3	702.7	702.4	706.7	706.3	707.8	708.3	706.7	704.6	698.9	
228	779.0	783.1	785.5	786.5	789.0	789.3	792.9	794.2	793.9	793.1	791.2	788.8	781.6	

Table XXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 419	R: 420	R: 421	R: 422	R: 423	R: 424	R: 432	R: 426	R: 427	R: 428	R: 429	R: 430	R: 431
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	476.6	481.2	482.4	484.8	484.2	484.1	485.4	486.6	486.8	488.4	487.8	489.1	487.1
230	256.2	253.2	253.4	254.8	256.0	256.0	255.7	255.3	255.7	255.8	255.6	256.7	255.5
231	688.1	657.5	643.5	627.3	612.8	607.0	600.1	591.6	585.1	569.7	549.6	530.6	492.6
232	821.9	792.1	779.5	765.9	753.5	746.9	740.0	734.7	729.7	712.6	695.8	678.9	645.5
233	647.2	678.9	695.1	711.3	727.6	734.9	744.2	753.7	762.9	778.0	794.9	811.9	841.4
234	509.6	542.3	560.5	576.8	593.5	601.4	611.9	620.3	628.8	646.5	664.6	683.9	718.9
235	355.0	341.6	332.1	321.4	313.9	307.8	305.9	303.2	299.7	291.7	283.0	279.1	270.9
236	303.6	297.0	291.2	284.7	282.2	278.4	276.0	275.2	272.4	269.3	263.0	263.9	258.0
237	256.6	257.1	254.1	253.2	252.1	251.8	251.4	251.4	251.3	250.5	247.2	246.9	246.9
238	253.7	253.4	253.4	251.6	247.6	246.7	244.8	246.5	246.2	246.2	244.0	242.4	244.8
239	243.1	240.6	241.4	242.0	242.2	242.2	242.9	242.3	242.3	243.3	243.3	240.0	242.5
240	208.2	210.3	210.6	211.8	211.9	210.9	209.2	209.3	210.7	212.1	214.3	215.4	213.8
241	219.1	213.5	215.6	216.0	217.5	217.0	217.3	218.3	219.0	226.8	229.6	232.1	229.4
242	111.6	124.1	129.2	131.9	133.2	132.5	133.5	133.5	133.0	132.7	130.0	123.1	111.4
243	217.6	215.2	213.4	212.6	207.5	205.9	206.5	208.3	210.5	213.8	215.5	216.8	219.8
244	389.6	395.3	395.5	395.2	395.7	395.7	396.4	394.9	393.6	392.5	392.7	390.5	389.1
245	399.6	403.1	402.0	402.0	403.4	402.6	403.9	403.9	404.8	402.4	401.8	399.2	393.7
246	381.8	355.3	346.1	334.1	323.6	319.3	316.4	314.6	308.8	304.6	294.0	289.9	277.9
247	365.9	346.6	332.4	323.1	311.2	303.8	301.1	297.0	292.5	283.9	277.1	271.6	266.3
248	342.7	319.0	308.9	299.1	288.2	284.4	280.3	277.4	275.4	267.0	260.8	260.9	246.4
249	245.3	258.7	267.8	276.9	284.8	288.6	294.5	298.1	300.3	305.1	315.3	326.0	348.6
250	347.8	317.0	302.6	291.8	275.7	267.4	258.1	254.2	251.1	238.0	220.8	208.1	171.3
251	239.3	226.3	221.7	220.0	218.8	214.7	210.7	208.1	207.7	204.2	199.5	195.8	191.8
252	490.7	494.0	495.8	497.4	498.3	499.9	500.0	502.9	502.8	506.9	506.3	507.3	506.2

Table XXVII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 117	R: 118	R: 119	R: 120	R: 121	R: 122	R: 123	R: 124	R: 126	R: 125	R: 127	R: 128	R: 129	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	353.0	357.6	356.2	357.9	359.0	356.9	355.1	356.5	355.3	355.2	355.0	355.9	353.8	
3	521.5	490.5	477.4	463.5	452.9	443.6	436.7	429.4	422.6	408.3	398.9	385.9	366.4	
4	360.7	386.1	396.1	410.5	421.2	429.4	439.0	445.0	451.5	461.9	475.2	484.6	513.4	
5	533.5	501.6	487.7	472.6	461.4	450.7	443.5	435.9	430.4	413.9	404.0	388.2	370.1	
6	360.1	385.3	397.6	412.0	423.2	434.5	441.9	449.0	455.1	467.3	481.1	489.6	521.2	
7	537.4	506.0	493.2	477.6	466.4	457.4	448.7	442.1	435.4	420.3	410.0	395.9	376.7	
8	366.5	393.3	405.9	419.5	433.6	442.6	450.2	457.3	462.8	475.4	488.4	499.2	529.0	
9	472.8	473.8	475.6	474.3	474.6	475.5	472.8	471.8	473.9	472.2	469.6	469.8	467.4	
10	298.8	299.7	303.0	301.9	300.9	302.3	301.7	301.9	302.3	301.2	301.7	300.9	297.5	
11	502.2	473.3	457.9	445.2	429.7	421.8	413.3	406.0	400.4	390.7	378.0	365.6	345.7	
12	332.6	353.9	367.0	379.3	391.9	396.4	402.7	413.1	422.7	431.7	445.2	459.0	486.0	
13	494.9	466.2	448.5	437.1	419.6	411.9	403.1	396.3	390.7	381.6	367.4	357.1	335.7	
14	323.1	345.1	359.2	370.4	383.5	387.9	394.3	403.8	413.6	425.1	437.4	451.5	477.8	
15	475.7	448.3	432.3	421.2	406.5	396.9	390.1	383.8	378.9	369.6	356.8	346.9	327.5	
16	307.4	328.7	342.0	352.1	364.3	368.4	374.6	384.9	394.0	402.8	416.1	429.1	454.0	
17	481.4	488.8	492.5	491.7	493.4	493.6	494.3	493.4	493.4	490.8	489.9	486.3	479.4	
19	405.7	383.3	371.0	357.8	347.0	341.6	337.2	334.6	330.6	317.0	310.0	304.7	286.4	
20	267.9	284.3	294.4	303.7	314.3	321.1	325.2	330.4	336.1	348.3	364.3	372.5	394.2	
21	383.8	361.1	347.9	337.6	332.6	325.8	317.0	312.9	309.8	304.3	294.6	290.5	270.5	
22	261.3	272.7	281.1	288.5	300.1	302.1	308.4	313.1	319.6	331.2	340.4	352.4	376.6	
23	333.5	311.0	308.2	294.0	285.5	281.2	277.8	277.0	272.9	265.7	257.5	249.9	234.7	
24	225.0	234.1	238.9	245.7	252.1	255.8	260.0	266.4	268.9	281.0	289.8	300.9	322.9	
25	321.5	306.6	294.9	287.2	282.6	278.6	274.5	271.3	268.8	260.2	250.8	242.5	232.2	
26	224.4	237.4	242.7	246.6	251.3	254.5	259.5	263.6	266.8	276.5	285.4	295.1	315.7	
43	486.3	459.2	442.9	428.0	415.7	406.5	398.2	390.9	384.3	376.8	363.5	350.4	332.4	
44	321.7	343.3	358.3	370.2	383.0	389.3	395.5	404.9	414.5	424.1	436.9	448.8	475.5	
67	305.5	286.7	276.6	270.4	268.1	264.9	260.4	256.9	253.1	245.2	237.5	229.3	220.7	
68	222.0	233.1	234.6	237.9	244.1	247.6	250.2	252.7	255.8	267.3	273.8	283.6	302.7	
85	573.4	540.4	526.0	511.5	496.2	488.7	480.9	472.3	465.6	449.8	438.7	423.2	398.6	
86	395.0	416.5	427.6	439.3	452.0	458.4	463.6	467.8	472.7	484.2	493.3	504.1	525.2	
87	438.8	425.4	419.9	413.2	403.8	400.7	396.9	392.8	389.5	380.4	376.8	369.1	356.1	
88	351.2	367.6	373.4	380.9	388.6	393.2	397.5	400.4	401.9	408.6	413.4	418.5	432.7	
89	229.6	234.6	234.6	234.2	234.7	234.9	233.3	233.5	232.9	234.2	235.1	232.3	226.4	
90	224.3	228.1	229.9	231.9	236.3	235.4	235.1	235.1	235.1	234.6	234.4	234.1	236.5	
91	228.8	229.4	230.7	231.7	231.7	229.5	228.7	230.1	230.9	230.0	232.6	234.0	232.4	
921	504.6	509.2	508.0	509.2	507.6	506.9	504.1	502.6	503.8	502.2	500.1	499.9	498.7	

Table XXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 117	R: 118	R: 119	R: 120	R: 121	R: 122	R: 123	R: 124	R: 126	R: 125	R: 127	R: 128	R: 129
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	380.0	383.4	386.1	387.6	388.9	387.7	386.5	387.5	389.5	387.8	387.0	387.6	385.1
93	293.2	294.1	296.7	295.9	296.1	297.5	297.5	297.0	297.1	295.1	297.8	294.4	292.4
94	370.4	376.1	377.2	380.1	382.5	381.6	380.6	381.6	383.6	382.8	382.8	384.0	386.6
95	232.6	234.8	237.3	239.9	240.4	239.9	240.1	241.3	242.2	242.3	239.6	239.2	241.7
125	364.0	340.4	326.9	319.4	308.2	301.9	298.0	292.7	289.2	282.9	272.0	261.3	242.9
126	247.4	260.4	269.4	277.5	287.6	292.5	295.4	303.3	310.2	321.1	333.3	342.6	374.0
128	561.6	554.1	555.8	558.0	554.5	550.8	552.5	552.7	553.7	562.0	565.0	559.6	555.3
132	216.5	220.0	221.3	222.4	221.9	220.7	219.9	220.0	220.5	219.1	217.8	216.8	216.7
201	891.1	897.1	899.5	899.4	896.4	896.3	892.8	893.5	895.8	892.5	892.7	890.6	883.4
202	974.4	981.2	984.7	983.3	981.4	980.4	976.3	977.6	979.8	977.5	977.6	974.5	968.1
203	1005.2	1014.7	1018.9	1017.3	1015.0	1015.3	1010.9	1012.5	1014.1	1011.3	1012.8	1010.6	1001.2
204	979.7	989.7	992.7	992.8	991.3	990.7	985.3	988.0	988.6	987.1	988.1	984.8	976.1
205	891.8	901.8	904.8	907.4	904.9	903.7	899.9	901.2	903.4	902.4	902.7	900.0	891.9
206	780.3	789.1	792.1	792.6	791.6	791.0	788.4	789.4	791.2	788.9	789.1	785.6	780.2
207	681.1	689.9	692.2	694.6	693.0	693.1	689.9	693.4	692.9	691.2	691.2	689.9	685.1
208	615.1	621.1	624.0	625.4	623.1	624.4	622.2	622.5	624.1	623.0	621.9	621.4	618.5
209	897.4	873.8	858.9	846.5	832.3	824.5	815.7	810.5	805.4	791.3	775.7	757.0	726.1
210	956.5	942.9	932.7	922.4	910.7	902.3	894.6	891.6	888.0	876.4	864.4	847.6	821.6
211	990.3	988.0	984.5	978.9	972.2	967.3	959.8	959.0	958.5	952.0	945.9	934.1	916.2
212	917.3	940.2	950.0	956.9	960.8	962.8	962.6	965.7	969.0	974.2	981.1	985.3	986.5
213	828.3	858.0	872.9	885.1	895.5	898.2	900.9	905.8	911.1	920.7	933.7	942.3	954.0
214	721.1	755.9	772.8	790.9	804.3	808.0	813.1	818.8	826.2	838.5	855.4	867.3	891.0
215	491.4	497.4	495.9	495.2	493.4	492.1	489.4	489.2	488.2	486.6	484.9	483.2	480.1
216	553.7	526.7	512.7	498.4	485.3	477.5	469.9	462.4	455.3	440.7	429.3	415.1	392.7
217	385.8	417.0	430.4	443.0	460.4	469.1	475.9	481.3	486.0	500.1	511.0	522.4	550.1
218	384.5	389.0	387.6	390.2	389.2	386.1	384.8	386.5	386.7	384.3	379.6	382.4	378.5
219	363.4	345.9	333.4	324.5	318.5	311.8	304.5	301.0	299.8	292.7	284.4	278.9	261.6
220	251.9	268.8	275.0	282.4	291.4	295.6	301.2	304.6	310.7	319.8	328.0	340.2	361.8
221	309.0	294.8	287.2	284.4	276.2	272.0	267.6	262.8	260.2	250.9	243.2	237.5	227.7
222	219.5	235.9	242.0	245.5	248.6	251.7	254.7	258.1	262.4	267.6	278.5	285.5	306.4
223	294.5	286.2	282.5	273.5	265.7	261.6	257.7	255.5	253.0	244.3	237.6	234.2	222.7
224	217.5	229.5	234.5	242.7	244.0	243.6	246.2	249.4	255.3	261.2	267.0	276.3	294.5
225	398.7	408.0	409.5	412.6	412.2	412.7	411.7	412.4	413.3	414.8	411.4	411.4	411.2
226	626.4	630.0	632.9	632.8	632.0	630.1	628.7	629.1	630.5	628.8	628.9	629.0	627.9
227	699.0	704.7	705.8	705.7	704.5	703.5	701.9	701.6	703.0	701.2	700.8	700.2	697.0
228	781.3	788.4	790.4	790.7	789.7	788.3	785.9	786.6	787.7	786.9	786.9	784.6	780.8

Table XXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 117	R: 118	R: 119	R: 120	R: 121	R: 122	R: 123	R: 124	R: 126	R: 125	R: 127	R: 128	R: 129	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	473.6	478.1	480.6	482.3	483.2	482.2	480.6	482.2	483.8	478.6	478.3	477.3	476.8	
230	241.3	249.8	249.5	252.0	252.3	251.1	251.6	251.9	255.1	254.9	252.4	249.8	250.5	
231	702.0	671.7	654.2	639.8	622.8	612.3	606.1	599.6	592.9	574.3	561.5	541.7	507.3	
232	832.3	806.1	791.5	776.1	761.5	754.0	746.0	741.1	734.2	719.1	703.4	686.7	655.2	
233	637.1	671.1	687.4	706.0	720.4	723.9	728.5	737.5	744.6	757.6	770.9	786.0	814.8	
234	494.8	532.9	551.0	567.2	586.8	594.2	597.7	604.7	613.8	628.7	641.7	658.4	690.8	
235	349.5	342.0	330.6	322.2	320.3	313.7	308.1	302.7	299.0	293.1	286.9	280.1	267.1	
236	293.6	296.0	287.8	285.5	284.3	281.2	277.7	274.5	271.4	266.3	266.2	263.1	254.5	
237	244.7	254.0	251.8	249.9	250.2	251.2	252.6	250.9	249.8	246.4	248.8	247.3	241.7	
238	238.7	249.0	250.8	250.0	246.5	245.3	245.9	246.2	246.6	242.3	241.5	243.5	238.2	
239	230.2	237.9	238.1	239.7	239.2	239.7	241.1	241.7	243.7	241.2	238.3	237.9	237.4	
240	202.7	207.2	205.8	206.9	208.0	208.0	210.0	214.7	218.0	218.1	214.1	207.9	207.8	
241	203.3	213.6	216.9	221.5	219.4	220.1	219.2	219.3	219.8	219.3	219.5	221.6	221.6	
242	103.4	121.3	126.4	130.2	132.1	131.9	132.3	131.8	132.8	131.4	129.0	125.4	110.0	
243	212.8	216.2	213.3	211.8	208.5	206.3	206.8	206.6	208.5	214.0	215.7	217.4	218.5	
244	385.7	392.4	393.3	394.5	391.8	391.1	393.5	393.9	394.6	392.3	393.1	395.4	392.1	
245	389.6	399.1	400.7	398.9	400.4	399.0	398.1	398.8	399.7	401.1	400.2	397.4	394.8	
246	380.1	357.6	347.6	337.1	328.6	322.6	318.3	316.3	316.2	306.0	301.4	296.3	285.5	
247	366.6	346.8	335.6	325.4	318.5	312.2	304.6	298.2	295.3	289.8	280.4	273.7	259.2	
248	343.1	320.5	314.3	303.0	294.3	289.9	287.7	284.7	281.1	270.8	264.4	255.6	238.0	
249	237.7	249.3	254.1	262.0	271.4	273.5	277.7	284.0	289.1	297.9	307.6	320.1	340.1	
250	354.1	327.3	316.1	302.4	288.6	278.5	270.1	265.3	255.4	238.2	219.5	202.5	165.8	
251	248.3	235.2	228.3	222.9	215.4	211.4	207.4	205.0	201.7	198.2	192.8	187.3	182.7	
252	488.4	493.1	495.9	497.5	498.5	497.3	497.1	498.1	498.5	497.4	497.4	496.9	495.5	

Table XXVIII: Ames Research Center 9x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β									
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 12	R: 13	R: 14	R: 15	R: 16	R: 17	R: 18	R: 19	R: 20	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	354.9	355.4	354.5	355.5	355.0	355.6	356.2	355.1	354.1	
3	467.6	462.4	448.0	435.2	422.0	409.5	397.6	385.4	364.3	
4	414.7	420.7	432.3	445.6	459.7	473.4	486.4	500.2	529.0	
5	478.2	472.4	457.8	443.6	430.2	416.5	403.3	390.7	367.4	
6	417.5	422.9	437.2	450.4	464.7	480.4	493.9	508.7	539.5	
7	483.1	477.0	464.6	451.1	437.8	424.6	411.1	398.1	373.4	
8	425.8	431.1	445.5	460.2	473.9	488.0	502.9	517.8	547.3	
9	482.5	481.7	482.5	481.8	481.4	482.6	481.8	480.5	479.1	
10	298.8	297.8	298.9	299.6	300.0	300.4	300.1	300.3	298.5	
11	450.1	441.0	427.9	415.9	402.6	390.7	378.8	367.0	343.7	
12	384.6	391.2	404.2	417.0	429.7	444.0	457.1	473.4	502.4	
13	441.0	434.2	420.3	406.3	392.7	380.7	368.0	356.4	334.1	
14	375.3	384.2	396.6	408.7	423.7	436.6	451.6	465.3	496.4	
15	424.7	416.8	404.3	391.9	379.7	369.4	356.5	345.7	323.5	
16	357.6	364.0	376.3	388.9	400.1	414.4	427.3	442.6	472.2	
17	500.7	502.5	504.5	503.7	503.1	501.9	501.3	497.0	491.0	
19	366.3	359.7	349.1	338.2	328.3	319.8	309.6	300.2	282.5	
20	309.4	314.0	324.3	335.2	346.6	357.6	368.1	378.0	402.5	
21	342.4	338.5	328.3	318.9	308.6	300.1	291.5	283.3	267.3	
22	291.9	298.1	307.2	316.9	327.0	338.3	348.9	358.6	381.0	
23	300.4	294.6	286.2	277.3	270.4	262.7	254.7	247.2	232.8	
24	250.8	254.2	263.0	270.5	278.6	288.8	298.0	306.2	328.0	
25	290.6	287.4	277.7	270.4	261.3	254.0	246.5	239.9	226.0	
26	246.2	250.9	258.0	265.3	274.5	282.9	291.7	300.1	321.0	
43	432.3	424.7	410.7	399.1	386.4	374.9	362.0	350.7	328.1	
44	375.3	382.2	395.0	406.6	419.5	434.2	448.6	462.1	487.7	
67	273.9	271.6	264.2	256.2	248.7	242.3	235.9	230.0	218.9	
68	238.5	242.4	249.3	256.5	264.1	272.6	280.9	288.9	307.2	
85	514.6	506.3	492.5	479.0	464.4	450.4	438.4	424.3	399.5	
86	439.9	445.8	457.8	469.8	480.5	492.2	502.0	514.3	535.0	
87	412.0	408.7	401.3	393.5	386.7	380.1	373.1	366.1	351.7	
88	381.1	383.0	390.9	398.6	405.9	412.3	419.1	423.7	435.7	
89	230.4	230.4	230.7	231.2	231.5	230.7	229.6	227.9	224.4	
90	231.4	231.7	231.5	231.5	232.1	232.6	231.3	230.6	230.2	
91	227.6	227.4	227.2	227.2	228.1	228.6	229.0	228.8	229.0	
921	515.8	516.9	517.3	516.6	516.9	514.7	514.0	513.4	510.9	

Table XXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 12	R: 13	R: 14	R: 15	R: 16	R: 17	R: 18	R: 19	R: 20
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	385.0	384.6	386.0	386.4	386.3	387.3	387.3	386.1	384.7
93	293.1	292.8	293.1	294.0	294.4	294.2	293.9	295.0	292.7
94	376.9	378.4	381.6	382.4	382.8	384.4	384.4	384.4	385.6
95	236.7	237.5	237.8	238.2	238.0	237.4	237.9	238.0	238.0
125	321.1	316.0	304.8	294.5	285.4	276.0	266.4	257.1	238.7
126	282.1	286.7	298.2	308.2	317.8	329.2	340.4	350.5	374.1
128	568.8	569.2	564.9	566.3	560.4	567.9	564.0	559.4	553.8
132	225.0	225.8	225.9	226.2	228.2	228.2	227.6	226.3	224.4
201	904.5	907.5	908.4	908.2	908.9	907.7	904.9	903.3	894.5
202	987.8	990.1	992.0	991.1	991.8	989.9	987.8	984.8	976.3
203	1021.9	1024.4	1023.9	1024.4	1024.6	1022.6	1020.2	1017.2	1008.6
204	995.3	997.0	998.3	997.5	997.1	994.3	992.0	989.9	981.4
205	904.5	905.8	907.3	908.5	907.8	905.8	904.2	902.8	896.6
206	788.8	791.2	790.0	792.8	791.8	790.7	789.4	788.1	781.1
207	688.1	689.3	690.2	692.0	693.0	691.1	690.7	689.3	685.8
208	619.9	619.3	620.3	620.5	621.0	621.7	620.7	619.7	615.5
209	851.6	845.6	831.8	818.0	801.9	789.1	773.3	759.1	726.9
210	926.0	921.5	911.3	899.7	887.9	876.5	862.2	849.3	820.4
211	981.6	980.5	974.9	969.2	963.3	954.9	946.2	936.7	917.9
212	958.8	962.6	969.0	974.8	980.6	984.1	989.0	991.1	996.2
213	887.4	893.6	904.4	915.7	924.3	933.9	941.6	950.5	966.5
214	792.3	799.0	815.2	828.7	842.5	854.7	868.2	880.8	903.8
215	501.1	502.7	501.5	501.6	500.7	498.6	496.8	495.3	489.2
216	500.5	493.3	480.3	467.4	453.8	440.5	427.8	414.6	389.6
217	449.7	454.3	469.8	483.2	496.9	510.2	525.2	539.1	566.0
218	386.1	385.4	385.9	385.4	385.1	383.7	382.8	381.2	376.7
219	328.8	324.4	315.8	306.5	297.3	289.0	280.8	273.2	259.0
220	285.9	290.2	298.9	307.1	317.2	327.0	335.3	345.9	365.9
221	279.5	276.6	269.4	258.1	251.3	244.5	239.0	234.5	225.2
222	238.7	242.6	250.6	257.3	266.3	272.8	281.6	290.4	309.1
223	271.6	266.5	260.9	253.7	247.2	241.3	235.5	229.7	218.5
224	230.7	234.5	241.9	248.4	255.3	261.5	268.9	276.6	293.1
225	414.5	416.8	418.9	417.9	418.6	417.4	417.7	417.2	414.0
226	641.0	642.2	642.5	643.4	643.3	641.7	641.9	642.0	639.2
227	713.9	715.5	717.5	718.0	716.6	716.0	714.7	712.7	709.1
228	799.3	801.2	802.9	803.9	802.2	802.3	799.4	798.2	792.8

Table XXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 12 Pi	R 13 Pi	R 14 Pi	R 15 Pi	R 16 Pi	R 17 Pi	R 18 Pi	R 19 Pi	R 20 Pi
229	475.3	475.6	475.7	476.1	476.7	476.1	475.8	474.6	473.7
230	248.9	248.0	248.3	249.5	249.8	250.3	250.0	250.0	248.5
231	643.2	635.7	619.9	604.8	587.9	573.1	555.5	540.7	505.6
232	783.3	775.4	761.1	746.1	732.6	717.7	703.1	687.9	657.6
233	709.4	717.4	733.5	746.5	760.0	773.7	788.5	801.6	828.7
234	574.5	581.8	598.7	613.5	629.5	646.0	660.9	676.4	706.0
235	324.4	319.4	312.1	306.0	299.6	292.0	284.0	278.0	264.3
236	282.6	280.1	276.4	272.9	270.0	266.4	261.6	258.3	249.9
237	247.5	248.0	248.3	248.1	246.3	245.9	244.5	243.1	239.8
238	247.1	246.6	244.2	243.1	242.3	240.9	240.3	239.4	237.1
239	236.1	236.1	236.8	238.8	239.4	239.0	238.3	236.9	235.8
240	208.6	208.7	207.9	208.6	217.1	215.2	206.4	205.4	204.5
241	214.4	216.6	218.7	219.0	218.4	216.6	217.7	217.5	218.1
242	129.4	130.7	133.0	133.4	133.8	132.1	128.7	121.8	110.2
243	216.1	215.0	211.8	208.6	212.4	216.8	217.4	219.0	219.8
244	394.7	395.5	395.6	395.8	395.8	395.5	394.3	393.2	389.8
245	403.6	403.1	404.7	403.2	403.1	402.0	402.2	399.3	396.2
246	342.4	340.0	332.2	324.6	317.6	311.5	304.2	299.6	285.9
247	327.4	322.9	313.0	302.0	294.1	285.1	277.5	269.6	256.1
248	309.6	304.2	295.2	286.5	277.9	268.7	260.2	251.6	237.4
249	264.2	268.2	277.2	286.1	295.4	304.4	315.3	324.8	345.8
250	303.0	295.1	278.4	262.3	246.8	228.5	205.4	186.3	152.6
251	220.5	217.0	211.0	205.4	200.5	194.7	190.5	184.8	177.8
252	490.7	491.7	491.5	492.3	492.0	495.8	493.5	493.8	494.4

Table XXIX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 70 P1	R: 69 P1	R: 68 P1	R: 67 P1	R: 66 P1	R: 65 P1	R: 64 P1	R: 63 P1	R: 62 P1
2	358.1	358.8	358.9	359.4	359.7	360.8	360.7	360.1	360.4
3	517.0	486.4	472.9	459.8	447.0	433.8	422.5	409.4	404.4
4	369.3	391.7	404.6	415.8	429.7	443.1	457.3	471.2	474.6
5	528.9	496.4	481.4	466.7	454.6	441.2	428.2	415.1	408.6
6	368.7	392.8	404.8	417.7	431.6	446.3	459.5	473.9	479.4
7	529.3	500.1	485.5	472.0	458.4	447.3	433.3	420.4	414.4
8	374.8	398.5	412.0	425.4	439.0	453.6	468.5	481.4	487.8
9	468.4	467.0	466.7	470.3	471.2	472.3	471.9	471.2	472.4
10	303.3	304.1	303.7	303.7	304.2	304.8	305.9	305.3	305.0
11	499.5	468.5	454.1	440.2	427.5	415.4	402.2	388.6	381.8
12	338.7	360.9	372.2	385.1	396.8	411.0	423.0	437.7	445.6
13	492.8	460.0	445.4	431.4	418.3	405.6	392.3	378.8	372.1
14	329.3	351.6	362.8	375.3	388.2	401.1	415.7	428.1	436.4
15	474.1	443.6	430.5	417.6	404.9	392.5	380.2	367.4	361.4
16	313.7	334.0	345.0	357.1	368.2	381.2	393.4	406.8	414.9
17	479.1	485.3	486.4	489.0	491.0	492.7	492.0	490.3	489.4
19	402.0	378.2	366.1	355.7	345.3	335.1	325.0	315.8	313.0
20	278.2	294.8	302.9	312.6	321.5	332.5	343.9	354.3	360.6
21	385.7	362.0	351.0	340.2	331.4	321.8	312.1	303.0	297.5
22	266.7	282.0	289.3	298.4	307.8	318.0	327.5	336.2	342.3
23	332.6	311.7	301.3	292.5	284.4	275.6	267.4	259.7	255.8
24	223.7	236.8	244.0	251.1	258.9	267.2	276.3	285.5	290.8
25	323.1	303.7	293.0	284.2	275.9	268.5	261.0	253.6	251.1
26	226.4	238.4	244.8	252.1	260.7	268.4	277.8	285.3	289.9
43	484.0	453.9	439.5	425.9	412.5	400.5	388.5	374.1	367.2
44	330.1	352.8	364.5	376.7	390.2	404.4	417.2	431.0	438.5
67	306.5	288.7	278.9	271.4	263.5	257.1	251.2	243.7	241.4
68	221.8	231.5	238.0	245.4	253.3	261.0	268.9	277.0	280.9
85	566.6	534.6	519.3	504.4	490.1	477.0	462.7	448.6	441.5
86	402.8	423.1	434.3	445.6	456.3	469.2	479.6	492.1	496.6
87	440.8	426.8	420.3	413.1	405.4	399.5	392.2	384.2	380.7
88	359.8	372.5	379.3	386.6	394.1	402.2	409.6	416.1	418.1
89	242.0	241.1	240.9	240.4	240.8	241.1	239.2	237.3	237.1
90	231.7	234.6	236.3	237.7	239.2	239.8	239.7	238.6	239.6
91	235.4	235.2	235.2	235.0	234.9	235.5	235.9	235.6	235.8
921	499.4	498.8	500.5	501.7	500.2	500.2	499.3	498.5	499.4

Table XXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β									
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	
	R: 70	R: 69	R: 68	R: 67	R: 66	R: 65	R: 64	R: 63	R: 62	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	390.1	389.8	391.6	392.6	392.1	393.0	394.2	393.4	392.8	
93	298.1	298.6	298.8	300.2	299.5	300.7	300.8	300.0	300.1	
94	378.0	381.3	382.6	384.5	386.5	388.0	389.4	389.1	389.2	
95	238.0	239.1	240.2	241.2	241.9	243.2	242.8	242.2	243.0	
125	365.0	340.3	328.9	318.3	308.1	297.8	288.1	277.0	271.5	
126	251.2	267.2	277.5	286.1	296.6	307.2	319.0	328.1	333.6	
128	551.8	544.9	550.2	553.1	545.1	548.0	543.9	553.9	552.9	
132	220.6	221.8	222.6	223.8	224.3	224.5	223.8	222.1	223.5	
201	883.3	885.7	887.7	889.9	889.9	892.6	891.5	887.9	887.1	
202	970.2	974.7	976.2	977.1	978.5	980.8	978.8	975.4	974.3	
203	1008.0	1012.3	1013.8	1015.2	1015.6	1019.1	1017.2	1014.1	1012.2	
204	987.2	990.7	992.0	993.4	993.5	996.8	995.3	991.8	989.1	
205	902.2	905.3	907.1	908.5	908.9	911.2	911.9	908.8	906.4	
206	792.5	794.7	795.7	797.2	797.4	799.4	798.8	796.7	793.0	
207	693.4	695.0	697.7	698.5	699.2	701.8	699.8	699.6	697.4	
208	626.2	626.9	627.3	629.1	629.1	631.0	631.0	628.7	628.2	
209	889.9	864.5	851.8	838.4	825.5	814.8	799.2	784.6	778.4	
210	953.5	933.7	925.3	915.8	905.5	896.6	884.3	871.4	865.6	
211	992.8	984.5	979.8	974.9	969.7	966.8	958.9	950.5	946.9	
212	929.7	945.8	953.4	960.7	967.2	975.7	980.7	983.9	984.1	
213	842.4	866.5	878.3	890.2	901.6	915.1	924.5	932.7	936.2	
214	735.6	764.8	779.8	795.4	810.3	826.1	839.6	851.9	858.8	
215	489.4	488.3	488.4	487.8	485.5	487.1	486.2	483.5	484.4	
216	551.6	521.5	507.3	493.1	478.0	466.7	453.5	439.7	433.2	
217	398.2	422.6	436.9	450.9	463.5	478.2	493.4	505.9	513.5	
218	394.9	394.6	393.2	391.6	391.2	391.8	391.7	389.7	388.2	
219	369.1	347.1	336.8	327.1	316.2	308.3	300.2	292.1	287.0	
220	260.5	275.5	283.1	290.5	298.1	307.5	317.0	325.7	331.4	
221	313.6	295.6	287.3	278.8	270.1	264.1	256.5	249.8	246.0	
222	226.1	235.1	240.6	246.2	252.5	262.3	271.8	280.7	281.7	
223	311.3	283.8	275.5	267.9	260.4	254.4	247.7	241.1	241.7	
224	218.8	229.8	235.0	241.1	247.8	255.7	263.1	268.9	273.6	
225	404.1	406.7	407.3	409.9	409.3	411.4	410.5	409.6	409.8	
226	619.2	619.6	622.0	622.3	622.7	626.4	626.2	626.4	626.1	
227	690.4	693.8	695.1	697.2	695.7	699.0	699.8	697.8	697.2	
228	773.4	777.0	778.0	779.7	780.1	783.3	781.2	780.5	781.1	

Table XXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 70	R: 69	R: 68	R: 67	R: 66	R: 65	R: 64	R: 63	R: 62
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	484.3	485.3	486.5	486.1	487.2	487.1	488.1	486.9	486.3
230	252.3	252.6	252.8	253.0	252.3	253.3	254.0	254.0	254.4
231	694.9	662.2	645.4	630.6	615.6	600.8	587.1	569.4	560.2
232	825.9	796.2	782.6	769.3	754.7	741.4	727.9	713.0	706.1
233	651.3	679.4	694.5	709.9	724.5	740.7	755.0	770.7	775.6
234	510.1	541.1	557.9	573.0	589.5	608.0	622.8	639.3	646.1
235	355.6	337.9	329.0	321.5	312.9	307.0	299.8	292.5	288.2
236	302.8	293.6	289.1	285.8	279.9	277.1	273.4	269.3	268.0
237	255.3	253.6	253.1	252.2	251.4	251.7	250.6	250.2	250.5
238	251.5	251.0	251.2	249.8	246.3	246.4	245.5	245.0	244.9
239	241.5	240.4	240.4	240.9	240.7	241.9	243.4	242.6	242.1
240	207.8	209.7	210.5	210.7	209.2	211.4	220.4	219.6	216.2
241	220.0	218.8	221.9	222.5	221.0	221.8	222.6	222.3	222.1
242	110.6	121.5	127.0	130.8	132.5	133.2	133.0	130.4	129.7
243	215.7	212.9	211.4	209.6	204.0	202.6	205.7	211.4	212.1
244	385.3	386.9	388.0	388.7	387.2	387.3	388.0	386.8	387.1
245	393.3	396.2	397.7	397.6	397.6	398.9	398.8	397.0	396.7
246	384.7	355.7	343.8	333.7	325.0	317.9	310.9	303.9	301.1
247	367.0	345.3	335.1	324.6	314.3	305.7	295.9	287.2	283.9
248	340.9	319.2	309.8	299.9	290.6	283.2	274.7	264.9	262.0
249	237.6	252.1	259.9	267.9	276.4	285.4	294.7	303.1	307.8
250	346.1	320.4	306.8	293.2	279.3	264.9	249.0	231.4	222.1
251	246.0	233.0	226.6	220.2	214.2	208.1	203.8	196.6	196.0
252	499.3	499.7	500.9	502.2	502.8	503.3	505.0	505.2	503.7

Table XXX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 842	R: 843	R: 844	R: 845	R: 846	R: 847	R: 848	R: 849	R: 850	R: 851	R: 852	R: 853	R: 854	R: 855
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	491.4	529.3	565.6	603.2	643.6	685.5	727.7	765.6	813.8	858.2	902.9	949.0	993.3	1041.9
3	630.1	641.8	649.7	656.0	662.2	665.9	669.5	669.0	665.8	661.7	658.8	649.0	642.2	629.9
4	640.2	658.1	661.5	669.2	676.6	684.8	689.2	683.5	681.5	677.7	672.0	664.8	655.4	646.5
5	644.8	660.0	661.2	652.8	651.2	649.2	649.2	647.0	641.1	632.7	626.8	617.0	607.9	598.5
6	653.1	658.1	660.8	659.5	659.5	660.9	661.0	652.2	645.7	640.1	630.5	622.9	612.3	603.9
7	659.4	659.4	657.6	648.4	643.7	640.2	633.7	624.4	613.5	605.0	595.8	586.3	576.2	565.6
8	668.9	670.9	670.1	660.4	658.0	655.3	644.9	638.4	629.0	618.6	611.6	601.3	591.0	582.0
9	744.2	705.9	669.8	625.2	587.0	551.0	516.3	485.1	452.6	425.6	397.7	373.4	348.4	327.0
10	415.6	443.8	475.4	505.7	543.3	579.8	617.2	661.4	704.3	747.8	795.3	837.9	881.6	926.0
11	547.8	562.5	571.0	561.7	565.6	569.4	569.1	567.9	565.4	560.2	553.6	544.5	538.6	525.7
12	541.7	550.6	559.1	558.9	564.4	565.2	566.1	567.5	564.9	562.2	558.9	552.5	544.4	536.6
13	549.5	558.8	561.3	558.6	555.3	557.0	557.1	556.1	555.1	553.5	548.5	542.2	540.3	534.1
14	547.0	552.3	557.0	558.4	557.4	560.1	566.0	560.4	557.6	555.2	554.3	550.4	546.3	539.3
15	571.2	572.0	570.6	565.1	562.7	557.5	551.0	546.1	538.4	533.1	523.8	513.3	510.4	505.2
16	558.4	558.9	557.8	553.0	550.6	548.8	544.1	543.4	535.4	530.3	528.5	522.9	519.3	514.5
17	772.3	732.8	714.4	672.5	634.0	599.0	565.1	527.7	492.5	462.4	428.2	395.7	366.2	339.9
19	486.3	489.2	488.6	482.7	484.5	483.9	480.8	485.2	485.9	483.1	484.0	478.7	472.0	467.2
20	490.5	492.4	493.3	487.1	491.7	485.6	484.7	491.6	487.1	487.8	485.8	482.9	480.5	478.5
21	463.7	469.3	468.7	467.8	467.6	459.8	468.2	466.9	466.9	465.4	463.5	455.8	451.3	441.7
22	459.1	466.6	468.8	465.6	465.5	468.5	471.9	475.1	475.4	474.7	469.0	460.5	454.5	452.3
23	392.7	394.4	398.8	401.2	399.9	399.9	400.4	404.3	399.4	398.5	394.0	396.5	399.1	400.9
24	426.0	426.4	428.3	426.5	429.5	425.8	422.1	420.2	415.0	411.3	409.7	409.1	415.2	418.7
25	386.4	390.9	391.0	388.4	388.8	384.6	383.1	382.6	382.0	379.8	377.9	373.7	368.2	367.3
26	395.4	399.2	400.9	398.7	398.0	399.9	398.7	397.7	396.7	392.1	389.5	389.9	385.3	387.8
43	562.4	582.2	577.5	586.9	594.2	602.8	607.4	613.4	617.9	619.1	617.9	613.8	610.6	605.3
44	529.7	552.2	562.2	573.1	584.5	599.4	599.9	605.2	607.2	608.9	604.3	601.5	600.7	597.8
67	361.6	369.1	374.2	374.3	378.5	380.1	380.9	379.7	380.1	378.9	376.8	376.7	382.1	382.6
68	377.6	383.8	389.2	391.8	397.7	402.0	403.0	403.5	402.3	401.1	398.4	396.7	401.0	399.1
85	696.8	704.0	707.7	704.7	704.8	704.6	702.9	700.8	696.2	688.6	678.3	668.5	657.1	642.2
86	714.2	723.9	729.1	728.8	731.8	728.6	727.4	726.9	720.4	712.5	703.0	689.5	679.0	665.2
87	553.3	585.7	615.8	645.6	675.3	707.3	740.4	768.1	798.0	827.7	851.5	877.6	898.9	924.4
88	557.9	589.3	622.9	654.5	686.2	715.7	747.3	776.2	806.9	834.0	863.3	889.3	915.6	941.7
89	316.9	341.1	364.0	387.3	409.5	436.2	464.5	493.3	528.4	561.3	598.0	636.3	672.7	709.8
90	318.8	341.4	362.6	385.2	410.2	437.0	469.6	497.6	530.8	564.4	599.0	635.5	675.6	715.3
91	321.3	343.7	361.1	382.5	408.9	435.9	463.4	494.4	528.6	564.4	600.7	640.2	684.6	720.9
921	794.4	749.5	706.9	664.1	625.0	585.2	548.8	513.4	478.9	447.7	418.0	391.2	364.1	340.2

Table XXX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$

Upright, Pressures in psf

Office ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 842 Pi	R: 843 Pi	R: 844 Pi	R: 845 Pi	R: 846 Pi	R: 847 Pi	R: 848 Pi	R: 849 Pi	R: 850 Pi	R: 851 Pi	R: 852 Pi	R: 853 Pi	R: 854 Pi	R: 855 Pi
922	534.9	576.8	613.7	649.1	689.6	734.4	779.0	829.1	880.3	932.7	977.2	1024.2	1071.4	1111.7
93	407.5	437.6	466.6	498.9	536.6	571.6	611.5	648.1	696.2	734.2	777.6	819.4	862.8	909.2
94	526.1	568.3	605.6	642.2	684.4	732.9	781.5	830.2	878.6	921.9	968.0	1011.6	1054.3	1100.1
95	333.8	359.8	381.5	403.9	430.9	459.0	490.3	521.7	558.2	594.5	634.2	670.8	711.3	751.8
125	420.2	428.0	428.8	433.4	433.5	431.7	427.5	420.7	409.8	399.5	388.9	383.5	377.1	367.3
126	448.6	451.5	449.3	451.0	450.7	448.2	442.9	433.8	425.4	417.6	410.3	401.5	396.8	391.1
128	875.5	825.2	769.1	718.1	671.2	624.8	579.6	538.5	491.1	437.8	404.4	380.9	363.6	354.7
132	316.9	330.1	338.9	351.8	366.8	382.9	405.7	428.4	455.8	485.3	514.4	553.2	584.5	631.6
201	1364.4	1326.2	1292.6	1247.1	1206.7	1159.4	1111.8	1064.6	1011.8	963.8	913.2	862.8	815.2	764.9
202	1472.8	1459.5	1432.6	1398.8	1378.9	1345.1	1308.1	1283.2	1237.1	1204.1	1159.9	1117.8	1074.9	1030.6
203	1504.2	1508.2	1501.7	1489.2	1469.5	1454.5	1443.0	1419.6	1382.7	1368.1	1329.0	1293.9	1251.4	1209.7
204	1445.3	1470.3	1483.8	1489.9	1498.8	1504.2	1503.6	1505.1	1485.7	1483.2	1459.0	1441.1	1415.0	1379.8
205	1299.6	1341.1	1372.9	1398.0	1426.1	1449.4	1467.3	1493.0	1494.0	1511.5	1508.7	1508.4	1490.7	1485.3
206	1121.3	1173.7	1211.7	1252.9	1294.6	1331.2	1363.3	1403.2	1415.2	1456.4	1471.5	1490.3	1505.0	1501.8
207	975.0	1028.3	1070.5	1111.5	1155.3	1201.3	1238.3	1284.7	1318.1	1359.7	1388.6	1417.5	1447.3	1459.0
208	878.3	923.9	966.9	1007.1	1051.6	1099.4	1143.0	1187.7	1224.6	1275.5	1302.0	1343.9	1378.4	1400.2
209	1188.5	1205.1	1207.2	1206.3	1205.0	1201.4	1195.6	1189.6	1174.3	1162.6	1141.0	1120.7	1101.9	1073.6
210	1305.6	1319.5	1325.4	1336.6	1330.6	1340.0	1336.7	1335.7	1318.0	1309.6	1287.3	1262.0	1244.7	1215.5
211	1400.6	1430.3	1439.8	1444.1	1452.1	1454.4	1453.8	1455.8	1437.4	1434.8	1411.5	1388.2	1366.6	1335.5
212	1415.8	1441.1	1451.5	1445.2	1468.4	1473.5	1470.6	1473.1	1451.6	1448.6	1426.4	1399.8	1381.0	1345.6
213	1331.6	1354.0	1352.7	1365.6	1369.3	1368.3	1367.2	1364.0	1346.8	1340.6	1316.8	1298.3	1276.5	1244.4
214	1205.5	1225.3	1227.7	1226.2	1229.4	1226.2	1217.1	1212.9	1190.6	1187.5	1164.7	1147.1	1124.4	1096.3
215	766.6	728.8	685.2	640.6	605.4	567.6	532.4	500.3	469.5	437.1	409.6	384.0	358.2	335.2
216	672.4	686.3	695.8	700.2	704.8	710.6	711.2	711.7	713.6	711.2	704.7	699.3	689.3	682.1
217	693.3	711.3	717.8	721.3	729.2	733.2	736.4	735.0	734.4	729.8	721.5	712.2	704.1	692.7
218	533.9	575.3	610.8	648.2	691.3	735.1	780.3	825.2	874.7	923.4	967.2	1010.2	1058.1	1100.2
219	447.3	451.5	456.5	459.1	462.2	463.6	463.2	464.7	464.2	460.3	453.3	451.5	446.6	440.5
220	442.1	451.7	456.6	460.0	467.7	469.8	470.9	467.3	470.5	463.0	456.6	452.8	450.9	449.6
221	375.0	380.9	380.9	384.2	384.4	384.4	385.5	387.8	386.1	383.6	380.7	382.7	380.9	377.5
222	388.7	392.5	396.4	397.5	398.9	400.1	400.1	401.2	398.1	393.4	394.9	396.6	391.9	391.8
223	363.7	367.2	370.8	373.7	377.3	378.4	377.2	377.3	375.3	376.6	373.6	370.7	373.6	372.0
224	376.5	381.2	385.3	386.9	389.1	389.7	390.8	389.5	393.3	391.6	386.6	383.7	383.1	385.9
225	650.7	616.6	580.2	542.5	510.7	480.7	452.2	428.8	403.3	377.8	355.8	336.2	318.1	302.5
226	980.1	940.0	898.9	848.3	805.6	758.3	721.5	684.6	648.3	610.3	576.6	538.6	501.5	474.3
227	1086.7	1047.9	1000.4	950.9	905.6	859.4	814.1	762.0	711.6	666.9	626.8	590.5	547.0	513.8
228	1207.0	1172.2	1122.7	1073.2	1022.7	968.3	917.6	866.3	803.9	740.4	682.8	633.5	586.0	548.7

Table XXX: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 730.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 842 Pi	R: 843 Pi	R: 844 Pi	R: 845 Pi	R: 846 Pi	R: 847 Pi	R: 848 Pi	R: 849 Pi	R: 850 Pi	R: 851 Pi	R: 852 Pi	R: 853 Pi	R: 854 Pi	R: 855 Pi
229	662.6	713.6	757.9	801.6	845.1	892.3	938.2	984.8	1030.4	1082.9	1126.2	1171.2	1215.0	1247.4
230	347.0	371.9	395.3	419.8	451.1	482.7	514.8	548.7	587.0	626.0	665.5	708.0	752.2	789.7
231	890.0	895.1	889.3	884.3	879.6	874.1	866.2	856.6	845.2	835.7	821.9	810.6	794.2	777.2
232	1089.3	1100.1	1096.4	1095.9	1094.3	1085.8	1076.0	1066.8	1049.1	1041.9	1017.6	998.5	980.7	954.5
233	1089.2	1097.4	1099.0	1095.9	1092.6	1087.0	1079.1	1068.1	1052.3	1041.4	1022.6	1003.1	983.7	958.7
234	895.3	901.6	898.1	893.8	890.3	884.0	877.8	868.6	858.5	845.6	828.8	814.4	798.3	780.4
235	418.0	438.0	453.3	466.0	478.6	489.2	495.2	500.6	504.0	496.2	488.8	484.3	486.5	482.8
236	371.6	402.4	424.7	452.0	476.3	495.0	517.3	531.6	552.1	564.5	578.5	594.1	608.2	624.3
237	338.8	365.6	388.9	411.5	441.3	470.3	498.3	529.2	562.7	596.3	629.6	660.3	696.0	732.9
238	340.1	363.6	382.2	406.6	435.8	465.1	495.8	525.6	561.6	595.4	635.9	670.9	713.6	748.4
239	329.9	353.9	375.0	401.3	427.4	458.1	488.3	519.4	556.4	592.4	629.8	667.2	710.5	751.0
240	281.1	293.2	307.8	325.5	351.9	375.0	393.0	414.0	450.8	482.7	515.1	550.0	587.0	631.5
241	286.2	315.2	342.0	365.3	386.9	405.7	420.3	438.7	454.0	469.6	483.4	503.9	513.9	528.5
242	208.0	195.0	178.2	165.2	153.2	144.3	135.7	129.6	122.4	113.9	108.7	107.9	105.0	95.6
243	331.0	310.8	292.2	274.3	259.5	243.4	232.6	217.8	205.7	192.6	184.2	176.1	169.0	160.8
244	615.7	585.6	547.7	514.4	486.6	460.4	436.2	413.0	390.3	370.8	354.2	340.8	329.7	316.3
245	627.5	596.1	560.0	524.8	494.5	467.9	440.8	416.5	395.0	370.6	352.9	337.4	321.5	309.9
246	500.1	501.1	495.7	493.6	490.8	492.8	490.6	486.8	485.3	481.4	477.6	475.1	469.6	463.4
247	441.0	447.6	456.4	463.0	467.5	466.8	466.8	464.3	462.8	453.5	449.2	441.3	427.1	408.3
248	407.9	410.1	409.7	404.7	403.7	399.6	396.8	390.1	389.6	382.2	374.5	369.7	366.1	365.4
249	431.8	431.0	425.4	423.0	422.0	418.9	417.1	411.7	408.1	403.2	394.2	385.4	383.0	378.5
250	336.8	374.1	403.7	417.3	426.8	424.3	424.7	413.0	390.0	363.0	332.6	313.0	295.7	276.2
251	301.4	307.7	309.1	309.5	305.6	294.8	289.9	284.6	282.3	283.0	282.6	281.3	280.1	280.7
252	687.2	737.0	780.4	827.3	875.1	926.0	971.4	1021.3	1067.9	1121.0	1164.0	1208.0	1250.7	1273.8

Table XXXI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 873	R: 874	R: 875	R: 876	R: 877	R: 878	R: 879	R: 880	R: 881	R: 882	R: 883	R: 884	R: 885	R: 886	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	336.5	358.9	385.5	411.2	439.1	467.0	494.5	522.7	551.9	582.7	612.3	642.0	672.4	702.4	
3	426.9	434.0	439.5	446.0	449.9	450.1	453.5	454.7	452.0	449.7	445.7	441.4	435.5	425.0	
4	437.3	445.7	451.3	457.6	462.6	464.3	465.7	466.7	465.3	463.5	461.0	457.2	455.0	446.8	
5	438.4	441.3	442.8	443.2	442.5	442.2	439.6	438.8	434.3	431.3	425.6	420.0	412.6	405.4	
6	446.3	448.8	450.4	450.7	451.4	450.3	449.8	444.7	441.4	439.0	433.5	427.5	423.4	417.6	
7	448.6	447.9	445.4	442.4	438.2	434.5	428.9	424.5	417.3	410.4	404.7	397.5	392.0	383.9	
8	458.9	457.9	456.4	452.8	450.1	446.8	441.9	436.8	430.3	425.8	420.9	414.0	408.3	402.2	
9	508.9	480.0	453.2	425.3	398.8	375.0	351.7	330.9	308.5	290.2	270.8	255.2	240.1	223.9	
10	285.2	302.7	324.9	346.9	370.1	395.6	421.8	450.0	477.6	507.6	537.7	568.7	596.8	626.7	
11	371.7	375.9	380.4	382.3	383.9	386.6	386.0	385.3	382.6	380.0	375.3	370.0	364.5	358.3	
12	376.0	380.4	383.0	384.3	386.6	388.6	389.5	389.8	389.7	389.9	386.2	382.2	379.1	373.6	
13	373.3	375.4	378.8	379.3	379.7	378.1	378.0	379.5	377.0	374.8	371.3	369.4	365.6	363.6	
14	378.6	381.8	382.4	382.6	383.5	384.7	385.9	385.8	384.1	385.4	382.3	380.7	378.6	375.0	
15	387.2	387.3	385.7	382.8	380.6	377.8	373.2	371.6	365.4	361.8	356.1	349.1	345.8	342.3	
16	386.3	385.5	382.8	381.2	378.7	377.6	374.6	372.3	370.3	367.8	364.1	361.5	358.9	355.5	
17	528.9	498.0	469.0	442.2	416.1	389.7	367.1	343.3	319.3	299.9	277.5	275.8	247.4	232.7	
19	333.3	332.9	333.3	331.5	330.3	329.0	328.3	329.2	327.0	330.5	328.3	325.3	320.1	318.7	
20	340.1	339.6	339.5	339.6	339.3	338.6	337.5	339.1	337.3	338.2	334.9	333.0	331.8	331.0	
21	314.1	317.6	319.1	314.2	313.7	311.9	315.2	316.9	317.0	316.6	313.3	311.3	307.0	300.2	
22	316.1	318.1	319.4	318.2	317.0	321.3	320.8	326.1	326.6	326.0	323.7	321.5	319.0	315.5	
23	269.8	269.9	271.7	272.9	272.3	274.5	274.0	275.3	271.6	269.7	267.0	267.2	269.2	272.0	
24	294.1	296.3	297.9	298.1	297.7	297.5	296.1	294.9	290.7	287.9	285.6	285.6	286.6	286.2	
25	264.3	265.7	266.0	266.7	265.8	263.6	263.2	263.4	260.2	259.4	257.8	254.9	251.3	251.2	
26	273.5	275.2	276.0	276.2	276.2	275.7	275.0	274.5	272.4	270.9	268.4	265.4	266.9	265.9	
43	374.1	382.3	390.8	397.8	402.9	408.0	412.1	416.2	416.8	419.1	417.8	415.0	412.0	408.5	
44	367.5	376.7	385.4	393.0	399.2	407.4	410.6	413.7	416.0	417.0	418.6	416.7	414.9	412.8	
67	248.1	251.8	254.8	257.1	258.5	259.9	259.6	259.1	259.3	259.7	258.4	256.5	260.1	262.7	
68	263.6	265.8	267.8	270.9	274.3	276.0	278.2	279.7	278.6	277.1	274.2	273.1	275.0	275.9	
85	474.0	477.5	479.6	480.6	480.4	479.6	477.7	474.9	471.2	466.4	461.0	454.1	445.4	435.0	
86	488.9	492.6	496.7	498.4	499.1	498.8	497.3	495.7	491.8	487.3	480.2	473.2	467.3	458.9	
87	377.5	397.4	419.4	440.0	460.5	480.4	501.1	522.2	541.7	559.4	576.0	593.5	608.5	624.7	
88	380.6	402.4	424.7	446.7	468.2	487.9	509.2	528.8	549.8	569.2	587.9	607.2	624.7	643.5	
89	219.4	232.5	246.9	263.1	280.2	297.9	316.8	337.9	360.9	383.3	404.9	431.6	453.4	480.0	
90	221.1	234.2	249.0	264.6	282.2	302.1	322.1	340.4	363.0	385.2	408.2	435.2	460.4	482.5	
91	220.7	233.6	247.5	263.7	280.5	298.9	316.6	338.8	360.8	383.2	407.9	435.2	462.5	485.2	
921	540.2	509.2	477.9	450.5	423.5	396.5	372.1	350.4	327.8	307.4	287.5	267.9	250.8	235.0	

Table XXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 873	R: 874	R: 875	R: 876	R: 877	R: 878	R: 879	R: 880	R: 881	R: 882	R: 883	R: 884	R: 885	R: 886
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	367.2	392.7	417.1	442.9	471.0	499.6	529.9	562.9	596.9	629.4	660.9	691.5	721.9	753.0
93	280.4	298.4	318.1	341.3	363.8	389.4	415.4	441.7	470.0	499.6	527.0	556.9	585.9	615.1
94	360.8	386.4	411.6	440.3	468.4	498.6	530.9	564.3	596.6	626.7	656.3	685.3	715.0	743.3
95	229.5	244.8	260.6	277.1	295.3	315.4	335.5	357.5	381.5	404.8	430.0	455.1	482.5	512.2
125	288.3	290.1	292.1	295.8	295.7	293.5	290.4	286.5	279.1	271.5	265.7	260.5	255.0	249.3
126	310.7	311.2	312.0	312.9	313.0	311.3	307.2	304.3	299.3	292.1	284.4	280.2	276.3	273.4
128	597.8	561.7	525.6	491.0	458.2	425.3	391.3	369.0	351.1	337.3	325.7	282.1	275.2	260.0
132	220.7	227.1	233.9	243.0	253.4	265.6	281.3	295.4	313.9	333.7	356.5	375.3	403.6	421.3
201	925.9	901.9	874.4	846.1	817.9	785.8	756.0	723.4	689.2	655.2	622.8	589.8	558.8	528.4
202	1000.9	986.1	969.8	952.3	933.3	912.9	890.3	866.7	841.0	814.4	787.4	758.6	731.6	702.8
203	1022.4	1021.3	1015.4	1010.6	1002.5	991.0	978.0	963.2	943.2	924.1	901.7	877.0	850.8	825.7
204	982.7	997.2	1005.3	1012.0	1016.4	1018.4	1017.8	1015.3	1008.6	1002.5	990.2	974.3	956.6	940.3
205	884.7	909.4	930.7	949.9	967.1	982.7	995.8	1006.0	1012.8	1020.0	1022.9	1020.0	1015.9	1010.4
206	764.0	795.6	824.5	852.0	879.2	903.2	926.2	946.2	964.4	983.1	997.6	1006.7	1013.8	1019.4
207	663.8	695.2	726.2	756.0	784.8	814.2	842.0	868.0	893.8	918.4	940.8	958.8	974.0	988.4
208	597.7	626.3	655.0	685.2	714.9	745.0	774.7	802.5	831.9	859.5	885.6	908.0	929.0	948.0
209	808.0	812.5	817.3	818.3	816.8	816.2	810.6	803.7	794.7	784.3	771.8	757.4	744.6	727.9
210	887.2	896.3	903.5	907.1	908.4	907.8	904.6	900.5	892.6	883.3	870.3	854.3	841.8	824.3
211	954.4	966.4	976.1	980.8	983.2	985.1	984.8	981.1	975.1	967.3	955.9	940.2	924.3	908.7
212	963.4	975.3	983.3	991.0	995.2	997.6	996.3	992.3	985.5	978.5	967.4	952.7	936.1	916.8
213	905.1	914.9	922.4	927.0	929.9	929.8	927.8	923.0	917.2	906.1	894.9	881.0	865.5	847.4
214	821.4	828.4	832.9	835.3	835.3	833.2	828.9	824.0	814.7	805.4	792.0	779.6	765.4	749.6
215	521.9	496.3	465.9	437.8	411.3	386.0	363.2	341.8	320.1	299.6	280.6	262.2	246.2	230.3
216	458.6	467.9	473.9	476.4	480.4	482.1	483.3	484.6	484.5	481.4	479.0	474.4	469.0	461.3
217	474.7	483.2	491.2	495.2	498.9	501.3	502.3	502.2	501.2	498.4	495.0	488.9	482.9	478.6
218	365.3	391.8	416.0	442.1	470.5	497.8	529.6	562.8	595.8	624.0	655.4	685.2	716.1	745.0
219	302.6	307.1	310.1	313.6	315.2	316.8	315.1	315.6	315.3	313.2	308.3	305.4	303.7	300.8
220	305.4	308.6	313.5	316.5	319.6	323.0	323.5	324.0	322.8	321.9	316.6	314.2	313.1	312.4
221	255.5	258.0	261.1	262.1	262.5	263.7	264.1	264.3	261.8	260.5	259.2	259.1	258.5	257.5
222	268.7	269.7	272.1	273.5	274.7	275.0	274.6	273.5	272.0	272.3	273.2	270.2	269.2	268.5
223	249.0	251.0	253.3	256.0	257.0	258.5	258.4	257.2	255.6	255.9	254.7	252.8	252.1	253.5
224	257.6	260.4	264.4	267.3	268.1	268.0	267.9	270.0	271.0	268.7	265.7	263.9	262.7	264.9
225	444.0	416.7	395.1	373.3	352.2	332.2	313.4	296.1	276.2	260.7	244.0	230.8	219.3	210.1
226	666.6	635.4	605.3	575.3	545.5	516.7	491.6	466.2	440.3	414.9	392.9	369.6	348.0	325.0
227	738.1	707.6	675.6	646.4	615.6	585.0	554.5	522.0	487.4	457.4	429.9	405.3	378.3	354.1
228	824.3	792.7	760.8	728.3	694.9	660.2	625.2	590.2	550.6	509.8	469.8	435.7	404.5	377.5

Table XXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 873 Pi	R: 874 Pi	R: 875 Pi	R: 876 Pi	R: 877 Pi	R: 878 Pi	R: 879 Pi	R: 880 Pi	R: 881 Pi	R: 882 Pi	R: 883 Pi	R: 884 Pi	R: 885 Pi	R: 886 Pi
229	454.6	483.6	515.0	545.3	574.5	605.1	636.3	667.5	700.4	731.5	760.4	789.8	817.4	844.6
230	238.2	253.9	270.1	289.4	309.2	329.6	351.0	375.8	400.2	426.4	452.8	478.5	506.1	534.9
231	604.4	603.8	604.0	599.9	597.2	592.1	587.7	581.3	575.0	566.1	557.5	548.0	538.7	528.2
232	739.2	742.0	741.8	742.1	739.8	734.7	729.2	722.4	712.3	701.8	690.6	676.8	663.2	647.9
233	740.4	744.6	746.0	745.3	743.2	739.8	735.0	727.3	717.9	707.3	695.5	684.3	671.6	656.4
234	612.3	612.5	611.4	608.8	606.7	604.0	598.1	591.9	584.8	576.6	569.2	558.3	547.5	536.9
235	286.3	297.9	307.4	316.6	324.5	331.3	334.9	337.8	336.1	336.0	332.6	330.9	329.4	325.6
236	254.5	272.6	289.2	309.9	323.5	336.4	349.2	360.7	372.1	381.5	392.6	401.8	412.7	420.1
237	233.8	247.9	265.3	284.2	302.1	320.6	339.6	360.5	382.2	405.4	427.2	449.4	473.2	496.0
238	230.0	245.1	261.7	278.8	296.8	317.7	337.2	358.1	382.7	405.9	431.0	456.1	482.5	509.9
239	226.9	243.0	258.0	274.5	292.6	312.5	333.1	355.4	378.7	404.7	427.3	453.3	482.9	511.0
240	198.5	203.2	214.5	233.5	248.6	263.2	279.2	299.6	318.2	331.7	354.7	372.5	394.1	425.0
241	198.7	216.9	234.5	249.9	264.9	275.2	289.8	299.9	309.7	320.1	335.1	339.4	348.2	356.1
242	143.3	133.5	123.2	114.9	107.3	100.2	94.4	90.1	83.9	80.0	76.2	75.1	83.9	68.2
243	224.8	208.9	197.6	187.3	177.1	165.7	156.6	148.5	139.7	133.7	127.9	121.9	116.5	110.1
244	422.5	398.2	376.2	354.4	333.4	314.9	298.7	283.3	267.8	256.6	245.9	235.2	226.2	217.0
245	428.1	403.9	381.1	359.9	338.6	319.2	301.3	285.0	268.3	254.7	242.2	231.5	222.6	213.1
246	343.0	341.3	339.7	338.6	336.4	334.8	332.8	331.7	329.4	327.5	326.3	325.0	320.0	314.0
247	298.3	305.5	309.6	313.1	316.1	316.5	314.8	316.2	312.7	308.2	306.1	301.0	289.4	279.3
248	277.6	277.9	278.2	276.6	274.2	272.2	269.8	267.0	265.0	260.0	254.9	252.3	249.5	247.8
249	297.7	298.4	297.5	295.9	294.9	293.3	291.0	287.7	282.0	276.9	270.7	266.2	262.7	259.9
250	229.8	253.6	276.7	286.7	291.5	292.5	287.7	278.4	266.8	250.7	229.3	215.3	204.8	193.1
251	206.6	209.9	211.9	211.7	208.8	201.5	198.1	195.3	194.0	195.1	194.2	192.5	190.9	190.5
252	471.4	500.0	531.5	563.4	595.1	626.9	659.4	691.1	724.2	756.0	786.4	813.8	840.3	867.8

Table XXXII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1060	R: 1061	R: 1062	R: 1063	R: 1064	R: 1065	R: 1066	R: 1067	R: 1068	R: 1069	R: 1070	R: 1071	R: 1072	R: 1073
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	335.4	357.8	384.0	411.6	437.4	465.7	493.2	520.3	547.4	575.4	607.1	635.9	667.7	698.8
3	398.4	405.3	409.4	413.1	416.7	418.5	420.1	420.3	420.5	417.9	413.3	410.0	405.0	394.5
4	462.2	469.2	474.6	478.8	483.3	486.4	488.8	489.7	488.4	488.8	486.5	484.8	479.3	474.6
5	407.8	408.0	408.9	408.8	410.3	409.7	409.6	407.2	404.5	398.8	396.5	391.6	385.7	377.3
6	474.1	474.1	474.9	473.6	472.6	472.8	470.3	468.9	464.7	462.7	458.3	451.8	446.3	440.3
7	417.6	415.6	412.1	409.7	406.0	402.6	398.5	393.3	389.4	382.0	377.8	372.5	368.0	358.5
8	487.3	483.3	478.5	475.2	472.6	469.4	464.7	459.4	454.3	447.9	444.2	436.2	428.7	423.9
9	503.0	473.4	446.5	419.7	394.1	371.2	347.7	327.5	307.6	288.7	269.1	251.8	236.4	219.5
10	283.5	301.9	323.3	344.3	367.1	393.1	418.3	444.6	471.6	501.6	529.5	561.1	591.5	621.5
11	348.0	351.6	353.3	357.1	358.9	359.0	359.7	358.6	357.8	354.2	349.4	343.6	336.6	332.3
12	396.5	400.3	403.2	406.2	410.3	411.5	411.2	412.7	410.9	410.2	407.6	405.7	401.6	396.3
13	349.8	350.7	352.0	351.9	352.4	353.7	353.8	352.6	351.6	350.2	346.9	343.6	338.5	335.6
14	399.9	400.3	402.8	404.4	406.3	407.1	407.4	407.8	405.8	405.0	403.3	402.6	400.7	395.8
15	363.6	362.4	361.1	357.2	355.7	353.2	349.9	347.3	343.3	337.6	331.9	324.7	320.9	319.2
16	406.2	403.2	402.8	401.2	399.0	397.8	394.0	392.4	388.3	386.5	382.6	380.9	378.1	373.7
17	522.1	492.0	463.9	437.4	413.1	387.7	363.0	340.0	316.8	296.1	276.2	269.0	250.8	235.5
19	309.7	309.4	309.5	308.3	307.2	306.9	306.7	306.3	306.1	304.9	301.3	300.4	297.5	297.6
20	357.3	355.0	355.5	354.0	355.0	354.5	351.8	352.9	351.6	349.1	351.2	348.9	351.2	350.6
21	292.1	294.0	296.5	293.1	292.5	292.8	295.7	295.9	296.7	293.9	291.1	288.3	282.4	275.6
22	333.6	334.5	335.6	335.7	333.0	335.1	338.8	342.7	344.6	345.5	345.6	343.5	337.9	333.1
23	254.0	256.1	257.6	258.5	259.7	260.0	261.8	261.1	259.7	256.9	253.5	253.0	253.8	255.3
24	299.3	301.3	301.7	303.6	305.4	306.3	304.8	301.1	298.8	295.5	292.0	290.5	291.2	295.0
25	251.3	251.0	249.6	249.2	250.0	249.3	249.2	249.2	247.0	245.2	242.0	239.2	237.7	237.0
26	284.3	284.4	282.7	281.0	281.8	282.6	282.7	282.4	281.5	280.7	280.6	279.7	281.1	286.4
43	350.8	358.1	365.1	372.6	375.5	381.0	384.8	386.2	387.8	387.4	387.1	384.7	381.0	376.2
44	386.1	395.5	405.8	415.5	421.4	428.8	433.2	437.9	439.3	440.8	442.7	440.8	439.3	436.6
67	236.7	239.8	242.4	243.5	245.4	245.5	245.3	245.8	245.6	243.1	240.9	238.2	242.4	240.8
68	269.8	271.5	272.5	276.1	280.1	283.0	284.8	285.9	286.7	287.9	288.6	287.2	294.3	296.3
85	440.8	443.2	442.9	445.9	446.5	447.1	445.8	441.9	439.4	434.0	428.9	422.4	412.7	404.7
86	514.1	516.5	519.4	520.4	521.9	522.0	520.5	519.7	516.3	512.7	508.2	502.4	493.8	485.3
87	361.8	378.8	398.9	418.3	439.4	458.8	478.5	496.0	512.8	528.0	544.2	562.9	578.1	594.4
88	392.6	413.4	435.3	457.4	480.1	502.4	522.7	542.9	562.5	582.4	603.6	622.7	641.7	659.0
89	216.8	230.2	243.8	259.4	276.3	293.4	312.8	330.1	348.6	370.4	395.2	419.8	443.0	467.8
90	219.6	231.2	245.6	260.7	277.5	297.3	317.6	337.4	358.5	381.6	405.5	433.5	457.5	485.0
91	217.8	230.7	244.9	260.8	276.6	295.7	313.7	335.2	354.6	375.6	399.3	426.4	455.2	481.3
921	536.2	504.4	475.8	448.8	422.0	398.0	372.7	349.9	327.5	305.5	286.8	266.3	248.1	231.4

Table XXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1060	R: 1061	R: 1062	R: 1063	R: 1064	R: 1065	R: 1066	R: 1067	R: 1068	R: 1069	R: 1070	R: 1071	R: 1072	R: 1073
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	365.8	391.3	417.5	444.9	472.4	500.2	531.0	561.5	592.0	625.0	655.4	686.3	717.3	748.7
93	278.5	296.1	317.9	338.8	360.5	385.5	411.7	437.2	464.4	491.9	521.4	551.1	579.8	608.9
94	362.3	387.8	414.1	442.2	469.6	501.0	533.3	565.6	593.2	622.3	652.4	682.8	712.4	743.7
95	227.2	241.0	256.3	273.6	289.2	310.6	331.0	352.8	374.5	398.2	423.3	449.7	475.9	506.9
125	265.8	268.8	270.3	271.9	272.3	272.1	270.5	268.3	263.8	257.9	251.7	246.1	241.1	234.9
126	325.6	325.1	324.4	325.2	324.3	322.2	319.3	315.3	308.7	302.8	296.3	291.1	285.2	279.8
128	592.1	554.5	519.8	486.2	453.2	423.2	397.7	372.5	352.5	337.3	325.1	308.9	297.2	286.2
132	216.8	223.2	230.2	239.0	248.3	260.0	275.4	291.2	306.7	327.5	346.3	371.7	402.8	421.7
201	925.1	896.2	872.5	845.2	814.8	786.5	754.7	722.8	689.6	658.3	625.7	592.7	561.9	528.3
202	997.5	980.6	967.6	951.3	933.3	913.8	890.6	866.4	841.1	816.1	788.8	761.3	730.4	703.7
203	1021.5	1015.6	1015.3	1009.3	1001.0	993.5	977.6	961.6	944.8	924.3	903.5	879.8	852.9	826.1
204	984.2	991.5	1002.6	1010.9	1016.0	1020.5	1017.7	1014.4	1009.2	999.9	989.0	974.7	960.0	941.6
205	888.6	905.5	929.5	950.2	967.4	985.5	995.7	1004.3	1012.3	1016.8	1018.1	1019.0	1016.1	1010.5
206	766.1	792.9	822.8	850.6	877.9	904.3	925.4	943.8	962.6	977.5	992.5	1002.9	1012.9	1019.6
207	668.0	695.0	726.0	756.6	786.4	816.5	841.3	866.0	890.0	912.2	934.6	953.3	972.8	988.2
208	599.2	626.7	655.1	684.7	716.9	746.1	773.0	801.2	826.9	854.6	878.7	902.7	925.5	947.0
209	781.9	783.5	786.9	788.0	787.6	785.6	780.7	774.3	767.0	757.0	745.7	733.0	716.3	701.3
210	869.2	871.0	876.1	880.6	883.1	885.1	880.4	875.9	869.1	859.0	849.6	836.7	821.2	803.1
211	943.7	949.7	958.9	965.9	970.9	973.8	971.3	966.1	961.1	952.2	943.3	930.6	915.2	897.1
212	977.4	984.8	995.2	1002.4	1006.7	1011.2	1008.1	1004.4	998.1	990.6	978.0	964.6	947.6	929.4
213	929.4	935.3	943.8	948.1	950.0	952.4	947.6	943.8	937.6	929.1	917.1	901.2	885.8	867.2
214	854.0	856.2	861.4	861.6	862.5	862.2	855.6	850.4	842.1	833.9	822.6	808.4	790.9	773.3
215	517.6	488.0	461.3	434.9	409.2	385.7	362.6	340.2	319.2	298.9	280.0	261.3	244.3	227.5
216	427.6	434.4	438.8	444.1	448.1	451.0	452.0	451.0	451.7	447.5	444.9	440.4	437.2	430.1
217	499.7	506.0	511.4	517.8	522.4	526.7	528.2	527.5	527.4	525.2	523.5	518.0	511.3	503.9
218	362.9	388.9	414.1	439.8	467.1	496.1	527.0	557.5	586.8	615.8	645.9	676.5	705.2	735.0
219	282.6	284.9	288.0	291.2	292.4	292.2	293.6	292.5	291.5	286.8	281.0	279.0	276.8	273.8
220	321.9	324.2	329.1	332.8	336.0	339.5	340.5	341.6	340.2	340.0	337.0	335.3	332.7	329.1
221	249.3	248.2	249.5	250.6	250.1	249.9	251.7	250.6	250.1	247.6	246.9	246.2	242.2	243.1
222	278.1	279.3	282.5	283.8	285.5	287.1	288.3	288.9	288.9	287.7	288.8	289.4	287.8	285.1
223	241.9	243.7	247.1	247.4	247.5	247.6	247.1	244.5	244.8	242.0	237.8	237.7	239.5	240.6
224	266.1	269.0	273.3	276.1	276.8	280.8	282.2	282.2	283.5	284.9	284.0	284.3	281.4	281.0
225	441.7	413.2	392.3	368.9	347.1	328.2	309.5	293.0	277.3	262.2	246.8	230.6	218.1	206.8
226	665.3	633.4	603.4	573.2	544.7	516.0	491.0	467.5	445.3	420.6	395.0	370.2	345.4	321.7
227	737.1	704.7	675.2	644.5	614.2	585.1	553.7	522.1	491.2	462.9	435.2	407.2	380.4	356.2
228	822.1	789.8	759.6	727.5	693.6	661.0	624.6	590.9	554.1	516.4	477.1	441.2	409.1	380.4

Table XXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1060 Pi	R: 1061 Pi	R: 1062 Pi	R: 1063 Pi	R: 1064 Pi	R: 1065 Pi	R: 1066 Pi	R: 1067 Pi	R: 1068 Pi	R: 1069 Pi	R: 1070 Pi	R: 1071 Pi	R: 1072 Pi	R: 1073 Pi
229	455.3	484.6	517.4	545.4	574.1	605.3	636.1	665.5	694.6	725.3	756.6	784.4	812.1	840.4
230	236.2	252.0	268.7	287.0	306.4	327.8	348.5	372.9	394.5	418.5	444.3	470.1	500.5	527.8
231	570.1	568.4	569.7	567.9	564.9	561.6	556.8	550.7	543.9	536.3	526.7	516.0	504.6	495.2
232	711.6	710.6	712.1	712.7	709.4	706.2	701.1	693.3	684.7	674.8	663.0	648.7	634.7	617.8
233	772.9	773.1	774.9	773.6	771.3	768.3	762.2	754.8	745.5	739.0	727.3	714.2	697.8	681.9
234	641.6	640.0	639.1	639.6	636.3	633.5	627.4	621.0	612.6	603.5	596.1	585.5	573.5	562.7
235	273.3	283.0	289.7	296.2	303.6	308.5	312.4	312.9	312.5	309.6	305.5	302.1	298.8	292.6
236	251.0	264.3	281.8	294.4	306.2	318.3	330.6	338.6	349.5	361.1	368.4	375.7	383.6	391.3
237	230.5	245.8	261.1	278.1	294.3	312.8	330.8	351.4	370.7	390.9	412.5	433.6	456.6	479.7
238	229.5	241.5	257.1	273.1	289.8	309.8	329.6	350.6	370.4	394.8	420.2	444.1	468.1	498.6
239	226.2	237.4	253.1	269.9	289.0	308.1	327.7	348.9	372.0	395.6	420.5	446.8	471.7	500.8
240	195.5	200.6	210.3	219.2	232.6	247.5	263.5	276.8	298.0	321.3	343.0	363.7	388.2	417.8
241	203.3	221.0	234.6	246.2	255.4	265.4	277.2	285.2	289.6	296.5	301.1	312.9	323.1	329.0
242	138.5	128.6	120.0	110.5	103.0	96.8	91.5	86.4	82.1	78.0	75.3	94.1	106.7	72.5
243	226.8	213.7	202.3	189.3	177.8	165.2	156.3	148.4	140.9	133.5	126.5	122.5	117.3	111.8
244	413.7	388.6	368.0	347.5	328.5	311.4	294.9	279.6	265.9	252.8	240.0	228.5	220.0	211.4
245	425.3	399.6	377.5	355.3	333.6	315.0	297.7	281.3	266.1	251.3	239.1	229.1	218.5	207.6
246	322.3	319.0	316.5	312.8	312.4	311.6	311.3	308.5	307.5	305.2	304.0	299.8	294.2	291.4
247	280.2	284.8	289.3	293.5	293.6	295.4	293.3	292.3	289.1	284.5	279.5	268.3	260.5	244.4
248	260.1	260.2	259.3	259.1	257.8	258.0	255.0	251.2	248.7	245.4	242.3	237.0	235.3	233.3
249	304.2	304.8	302.6	302.3	300.7	300.2	296.9	293.4	287.7	282.3	277.2	273.5	272.6	271.7
250	195.9	228.0	249.2	267.2	277.0	281.8	282.5	275.1	264.8	253.5	236.5	213.8	197.7	183.2
251	193.7	197.1	197.2	197.9	196.9	193.5	186.2	182.6	181.6	180.6	179.7	178.2	176.5	176.8
252	472.9	500.9	533.6	564.7	596.9	628.6	659.5	689.1	719.9	750.1	780.3	808.4	837.0	864.1

Table XXXIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1077	R: 1078	R: 1079	R: 1080	R: 1081	R: 1082	R: 1083	R: 1084	R: 1085	R: 1086	R: 1087	R: 1088	R: 1089
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	485.1	488.5	489.4	489.4	492.0	492.3	492.6	492.7	494.2	494.2	493.5	493.5	486.1
3	526.3	496.6	485.3	474.0	459.2	457.6	450.4	442.8	435.0	421.4	408.0	391.2	364.2
4	387.6	410.9	424.3	437.4	448.2	455.8	463.3	470.6	476.6	492.0	506.5	522.9	556.8
5	513.8	484.3	472.4	461.7	446.8	444.0	437.5	430.4	422.9	410.3	396.0	381.7	355.6
6	372.3	395.0	408.2	420.7	432.7	439.2	446.8	453.5	458.9	472.7	487.7	504.0	537.7
7	500.1	470.8	460.6	450.2	436.6	433.6	426.4	419.3	412.8	397.0	387.5	371.7	346.5
8	366.9	388.7	402.2	413.8	426.8	432.2	440.5	446.7	452.9	466.1	481.2	496.4	529.9
9	346.4	348.2	350.0	349.3	349.4	349.0	347.9	349.6	350.5	348.2	346.4	347.2	343.2
10	411.6	414.9	415.8	416.6	419.0	419.2	419.6	420.5	420.3	419.0	418.0	417.6	414.5
11	456.5	431.9	421.0	406.4	399.1	391.3	384.9	378.3	370.7	359.8	345.5	335.8	309.0
12	324.1	338.7	352.3	364.0	377.3	383.9	386.4	392.4	400.7	414.3	427.4	440.5	472.1
13	448.5	425.2	414.2	399.1	392.5	384.6	376.1	371.2	363.3	353.7	340.7	331.4	305.0
14	321.5	336.8	349.0	360.7	373.8	380.2	383.2	388.4	395.5	408.3	421.1	436.8	468.7
15	444.8	418.9	408.5	393.3	387.9	380.1	373.2	366.8	360.0	349.7	336.0	326.8	302.3
16	313.1	326.4	338.8	349.9	360.9	368.1	371.1	377.4	383.2	395.3	410.0	424.1	454.8
17	355.7	358.1	361.5	362.2	362.6	362.5	363.6	363.6	364.3	362.8	360.5	358.4	354.2
19	394.9	371.0	363.1	351.2	335.8	331.2	327.3	323.6	316.2	306.6	294.3	284.9	269.8
20	281.5	302.4	305.5	313.3	324.2	330.6	335.0	340.0	344.9	354.8	368.6	379.9	405.4
21	374.2	355.7	343.0	332.8	324.2	317.6	313.9	310.3	305.1	295.4	288.1	281.5	267.2
22	275.0	288.7	298.1	305.5	309.9	312.3	318.2	323.0	328.5	339.6	349.6	357.5	379.6
23	332.9	308.8	300.6	290.5	282.8	278.2	274.0	270.6	266.0	260.3	253.1	248.8	242.3
24	247.6	263.3	270.9	277.9	287.9	291.5	291.8	294.0	296.3	306.2	316.7	329.3	348.4
25	313.1	291.9	284.7	275.0	266.5	263.3	261.2	259.6	255.0	249.3	244.5	243.6	231.0
26	232.1	243.2	250.4	259.5	266.2	268.5	272.6	275.7	281.4	285.2	290.3	300.6	318.3
43	484.9	459.9	448.6	433.0	426.8	419.7	411.3	404.8	397.6	383.8	371.6	360.1	333.2
44	342.2	358.8	372.0	386.4	397.9	401.6	407.7	414.7	423.0	435.1	446.5	462.6	492.7
67	312.4	291.1	284.0	273.3	265.9	261.8	258.2	256.0	251.3	245.9	240.7	238.3	225.3
68	232.4	246.9	251.7	261.3	268.3	271.6	275.5	280.5	283.9	288.2	292.6	302.2	322.6
85	558.6	529.4	515.8	500.1	484.8	479.6	475.5	468.6	461.3	445.7	430.1	415.3	385.9
86	413.5	438.4	452.6	466.7	479.3	488.3	493.7	499.7	508.5	524.4	539.5	553.3	582.6
87	544.3	528.4	521.1	514.6	504.7	503.1	498.4	493.8	489.3	478.8	469.3	457.1	434.6
88	448.4	468.5	477.9	487.5	497.1	502.7	507.2	510.7	515.9	524.4	533.5	543.8	560.0
89	329.4	322.3	322.8	320.2	317.7	316.6	314.7	314.3	313.0	312.2	310.0	307.5	303.7
90	309.4	314.1	313.7	314.8	317.7	318.6	318.2	318.8	320.4	321.8	321.8	322.8	325.6
91	318.2	317.1	317.7	318.6	318.7	317.2	316.5	316.0	314.4	314.6	315.5	314.7	313.4
921	365.4	368.9	370.4	371.2	370.1	370.4	369.8	370.7	372.1	373.5	373.7	373.1	366.6

Table XXXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1077 Pi	R: 1078 Pi	R: 1079 Pi	R: 1080 Pi	R: 1081 Pi	R: 1082 Pi	R: 1083 Pi	R: 1084 Pi	R: 1085 Pi	R: 1086 Pi	R: 1087 Pi	R: 1088 Pi	R: 1089 Pi
922	517.4	519.5	522.6	522.9	526.9	526.1	528.8	529.2	530.8	531.5	530.5	528.8	527.2
93	405.5	407.0	409.6	409.3	410.9	412.6	412.6	413.9	413.2	412.7	412.7	411.9	407.8
94	513.2	518.6	520.7	523.8	526.6	529.5	528.6	530.2	532.5	535.9	537.6	535.3	533.9
95	330.7	329.3	330.0	331.6	333.6	334.5	333.4	332.7	332.7	332.7	330.4	332.5	332.7
125	351.1	326.5	316.1	308.3	297.3	294.5	289.4	283.8	278.0	270.9	265.6	257.8	251.6
126	260.6	277.3	285.8	294.4	298.3	301.4	303.6	307.7	312.9	322.3	332.2	342.8	364.0
128	421.0	382.3	404.7	408.4	390.3	384.1	383.8	384.3	396.5	398.6	379.9	368.7	399.5
132	276.4	274.8	274.2	275.2	277.6	277.7	279.2	279.0	278.7	278.3	280.0	279.1	271.6
201	749.5	751.5	751.2	750.7	752.0	752.2	751.9	753.6	754.4	753.5	754.3	752.2	744.6
202	882.6	885.3	884.9	884.6	887.0	886.5	885.0	888.0	889.1	887.4	888.3	885.9	875.9
203	967.9	969.9	971.8	971.6	973.8	974.0	973.2	976.9	977.4	976.2	975.7	972.3	962.7
204	1006.8	1008.8	1012.9	1011.2	1013.9	1013.9	1012.8	1017.6	1016.7	1016.1	1014.2	1013.3	1001.4
205	982.0	985.4	988.5	989.2	991.0	992.3	990.6	994.4	994.0	994.6	992.0	991.0	979.2
206	910.3	914.9	917.0	918.0	921.7	921.4	920.3	924.3	923.5	924.2	921.6	921.7	908.1
207	826.9	830.9	832.4	834.2	836.8	838.2	837.7	840.7	840.9	840.2	840.0	841.8	829.3
208	761.4	763.1	766.2	767.1	770.5	770.3	772.7	771.7	773.8	772.7	773.0	771.4	763.2
209	882.3	855.3	843.7	830.1	816.8	810.9	806.2	799.4	792.6	781.0	764.8	746.8	714.3
210	959.2	938.2	928.8	917.4	909.6	903.3	901.6	895.6	890.9	878.2	867.9	853.0	823.1
211	1008.1	999.3	995.3	988.9	985.4	981.6	979.2	980.0	977.4	969.7	962.6	953.5	933.8
212	948.6	964.1	974.1	979.7	985.7	990.0	991.7	995.7	1001.6	1007.0	1009.4	1015.8	1015.4
213	854.9	877.0	890.7	900.7	912.7	917.4	921.5	927.2	937.3	948.1	954.6	968.7	980.4
214	734.5	767.5	781.7	796.2	810.4	816.4	824.3	832.1	840.0	856.2	867.8	884.4	907.6
215	360.7	362.6	362.3	361.9	361.1	360.9	360.1	361.4	362.4	362.1	362.4	362.6	356.5
216	563.9	534.6	520.6	507.7	491.9	486.5	480.1	474.6	467.0	451.4	437.1	421.4	394.5
217	413.9	440.5	455.5	469.9	483.4	490.9	500.1	506.0	514.1	528.1	547.3	563.6	594.1
218	525.3	524.5	524.1	525.8	527.0	526.5	527.7	527.2	526.3	526.9	523.0	523.2	514.6
219	377.5	358.5	346.3	332.6	323.6	316.4	310.9	306.6	301.8	293.4	285.1	278.7	263.2
220	271.4	288.3	298.8	307.4	312.4	315.4	320.8	325.4	331.1	342.5	353.8	360.6	385.0
221	314.8	293.3	284.2	274.8	269.1	266.1	262.2	259.6	257.7	251.4	250.9	244.2	235.1
222	232.7	241.8	251.1	257.6	266.8	269.6	272.4	276.6	280.2	289.6	294.2	300.1	317.9
223	305.3	287.6	278.1	270.2	264.3	260.1	256.5	254.7	251.1	247.9	243.3	236.1	226.1
224	225.1	237.0	246.1	254.3	258.8	262.3	265.2	268.3	272.9	282.3	290.1	296.1	311.0
225	300.5	304.8	308.5	309.2	311.0	311.6	310.7	310.9	310.3	310.7	307.3	304.9	299.6
226	486.4	487.1	488.4	487.5	488.3	488.1	488.0	490.1	489.9	489.9	490.0	490.6	487.3
227	545.9	548.9	549.9	549.8	551.1	551.0	551.0	550.8	553.2	553.3	554.8	552.5	546.7
228	615.8	620.7	621.0	620.8	621.4	621.2	622.2	624.3	623.6	624.9	624.7	623.4	615.8

Table XXXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1077 Pi	R: 1078 Pi	R: 1079 Pi	R: 1080 Pi	R: 1081 Pi	R: 1082 Pi	R: 1083 Pi	R: 1084 Pi	R: 1085 Pi	R: 1086 Pi	R: 1087 Pi	R: 1088 Pi	R: 1089 Pi
229	624.8	626.4	628.7	630.5	633.1	632.3	633.0	635.1	637.0	635.8	635.7	633.5	628.2
230	348.4	347.9	348.3	349.3	351.8	350.1	349.7	351.3	350.2	349.1	349.1	348.7	349.1
231	674.2	642.1	626.8	612.2	599.5	592.0	583.8	578.8	573.3	555.8	537.3	520.5	488.2
232	807.5	778.9	765.4	751.8	738.0	732.2	725.0	719.5	714.1	699.4	683.2	665.1	634.1
233	639.8	671.0	685.1	700.8	715.1	722.2	729.3	737.5	745.2	762.9	778.2	793.9	821.7
234	501.4	533.5	548.8	565.2	580.5	587.0	594.5	601.9	610.0	627.5	645.5	662.3	693.9
235	400.2	381.2	368.8	356.8	344.3	341.0	334.9	327.1	323.6	312.1	300.5	287.4	270.5
236	394.4	382.2	375.0	365.7	354.9	352.3	348.6	340.5	337.2	329.7	323.1	309.8	294.4
237	356.0	351.5	350.6	348.6	342.5	341.6	337.6	336.3	334.3	332.4	330.4	322.2	319.1
238	344.9	342.6	341.5	343.7	341.2	339.0	336.1	335.5	334.3	329.7	330.6	327.1	324.0
239	333.3	330.0	331.9	334.2	335.6	334.3	331.8	330.3	330.6	328.2	329.8	330.1	328.3
240	273.7	274.2	276.4	279.1	273.8	271.4	272.0	267.9	266.7	261.6	263.8	264.5	264.6
241	324.2	306.3	299.5	293.1	288.2	286.9	286.5	284.9	284.7	277.4	274.2	267.3	256.1
242	77.9	86.6	91.4	94.3	94.2	93.7	93.2	93.3	93.2	91.3	87.2	80.3	76.6
243	166.0	160.3	159.0	156.4	155.0	155.4	154.7	155.2	155.7	157.0	159.3	162.4	166.3
244	294.0	298.7	300.4	298.8	297.8	296.7	296.5	295.8	295.6	295.9	292.6	292.5	291.1
245	297.6	300.0	301.3	303.5	300.0	298.0	299.1	298.8	298.2	298.2	297.9	293.3	289.5
246	397.7	377.1	367.8	358.5	344.3	336.9	330.3	325.8	322.6	310.4	300.6	289.6	274.5
247	387.7	367.0	353.1	337.9	327.7	322.5	314.2	309.8	304.8	293.3	284.3	276.2	261.4
248	325.8	305.5	293.4	286.2	274.8	271.3	267.3	263.9	262.0	255.9	248.8	245.3	238.5
249	246.0	260.2	266.6	273.5	281.0	285.0	290.4	289.8	291.9	298.1	308.2	316.7	336.5
250	318.7	308.5	303.4	297.9	288.9	286.8	285.8	286.5	285.0	285.0	280.3	269.0	256.4
251	224.7	211.3	205.9	201.5	196.6	197.0	196.6	196.0	192.0	184.9	184.3	178.7	175.3
252	646.0	649.1	651.7	652.0	655.6	656.3	655.6	657.7	659.6	659.0	660.1	657.3	652.4

Table XXXIV: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1091 Pi	R: 1092 Pi
2	550.4	550.4
3	450.3	415.4
4	464.5	494.6
5	434.3	401.1
6	439.8	471.2
7	416.6	384.4
8	429.4	460.0
9	307.8	306.9
10	476.5	474.1
11	383.5	353.4
12	388.8	417.2
13	375.5	348.6
14	382.9	412.4
15	365.1	340.3
16	368.0	393.8
17	318.6	315.6
19	327.1	302.2
20	335.3	359.0
21	317.1	293.1
22	325.1	350.8
23	272.9	257.5
24	286.9	303.8
25	259.8	246.8
26	269.9	285.9
43	416.1	385.2
44	414.9	447.0
67	257.9	244.4
68	276.9	290.7
85	470.3	434.1
86	490.2	522.5
87	537.7	511.0
88	546.9	569.0
89	359.4	352.8
90	362.1	365.0
91	359.9	358.5
921	326.6	326.0

Table XXXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1091 Pi	R: 1092 Pi
922	595.3	597.5
93	468.8	468.2
94	593.8	597.1
95	380.8	378.6
125	278.8	262.6
126	295.9	313.9
128	340.3	344.5
132	311.4	310.2
201	686.4	687.5
202	837.1	836.6
203	941.3	941.4
204	1005.3	1006.5
205	1009.8	1010.6
206	962.3	963.1
207	890.8	891.6
208	829.5	829.6
209	793.2	761.6
210	889.7	865.4
211	971.3	957.8
212	984.1	998.3
213	913.1	938.8
214	812.2	846.5
215	318.4	318.0
216	482.1	446.1
217	499.8	534.4
218	591.4	590.2
219	311.2	287.5
220	320.9	346.7
221	261.7	250.3
222	269.7	293.7
223	255.1	245.3
224	269.9	288.3
225	276.3	278.2
226	440.1	442.4
227	485.3	488.5
228	550.1	553.0

Table XXXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 1.80$, $q_\infty = 490.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1091 P: 1092	R: 1092 P: 1092
229	697.1	698.3
230	399.3	397.9
231	571.5	538.5
232	709.3	680.4
233	715.3	752.2
234	583.8	618.8
235	335.7	308.0
236	370.3	349.3
237	380.7	370.8
238	382.4	375.8
239	377.8	374.6
240	314.9	303.9
241	307.4	290.5
242	84.0	82.0
243	139.1	140.3
244	266.4	265.2
245	267.2	265.6
246	328.8	306.4
247	312.2	286.2
248	263.3	247.4
249	282.3	292.3
250	265.7	265.9
251	193.3	180.4
252	722.6	723.6

Table XXXV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 705	R: 706	R: 707	R: 708	R: 709	R: 710	R: 711	R: 712	R: 713	R: 714	R: 715	R: 716	R: 717	R: 718
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	441.2	473.0	508.8	544.7	588.2	630.3	675.1	714.9	761.0	807.4	851.8	899.3	945.6	988.5
3	576.3	589.0	595.3	604.4	611.4	611.3	617.4	616.1	617.1	616.7	611.6	603.0	594.9	584.6
4	583.2	596.3	603.8	610.3	620.1	628.7	630.9	625.2	623.5	623.7	616.5	608.5	599.9	590.0
5	591.3	605.4	604.2	600.7	599.4	596.9	595.8	592.7	587.3	586.9	577.5	570.5	561.9	552.5
6	593.6	597.0	601.0	602.3	602.2	600.9	602.4	599.3	589.6	582.0	575.0	567.2	555.1	542.4
7	608.2	605.2	604.1	594.4	589.4	584.7	580.1	570.2	562.1	556.2	548.5	537.0	528.2	518.8
8	610.5	610.0	605.7	603.0	596.8	593.3	586.1	573.1	569.8	562.9	553.9	541.9	532.6	520.8
9	687.1	651.9	607.9	569.4	532.6	495.0	461.0	428.1	397.0	369.2	343.2	316.9	294.5	272.7
10	360.6	390.6	422.9	454.2	490.0	526.9	567.5	606.3	649.2	693.5	739.0	781.8	827.7	873.0
11	504.5	511.1	525.2	546.7	548.2	543.5	538.6	532.6	521.8	508.9	491.6	479.1	480.8	509.0
12	538.1	533.7	538.0	540.1	542.9	527.6	513.5	523.6	511.6	495.5	492.2	498.3	516.4	538.4
13	503.6	502.1	504.5	516.7	525.2	519.3	520.2	516.5	515.8	513.2	509.7	497.7	488.6	483.9
14	526.1	517.7	518.7	518.7	520.9	509.2	523.8	514.5	511.6	504.0	493.6	483.0	478.9	491.4
15	518.0	515.4	514.6	510.1	508.2	504.9	499.6	494.9	487.3	482.8	477.7	472.9	472.5	469.4
16	505.6	501.0	499.6	495.6	496.5	489.3	488.5	484.2	480.8	477.6	473.9	471.1	468.4	459.5
17	710.5	691.2	648.4	608.8	568.3	529.7	493.6	455.6	421.3	383.2	350.5	320.1	295.4	274.7
19	433.1	427.7	426.2	424.3	426.7	427.3	428.4	428.4	429.2	427.4	430.0	426.9	424.5	421.1
20	424.0	424.3	425.1	426.2	427.1	425.6	428.2	430.7	430.7	429.9	428.9	421.8	416.2	414.1
21	406.4	404.7	406.3	406.3	406.4	406.3	410.1	415.7	413.6	409.4	408.9	403.1	399.3	393.7
22	402.4	402.2	405.4	406.0	405.9	406.6	410.4	412.4	415.5	414.2	409.8	405.8	399.8	396.3
23	346.8	345.7	347.7	350.5	350.7	349.9	348.2	349.4	347.1	346.8	348.4	351.8	359.7	362.6
24	359.4	363.2	366.3	365.2	366.9	364.7	363.1	359.2	355.1	352.3	350.6	351.9	353.4	355.5
25	345.8	347.0	347.0	345.9	346.2	345.1	343.7	340.6	341.3	338.0	333.3	332.5	330.0	328.2
26	331.3	331.9	334.6	332.9	333.3	332.4	332.0	329.9	329.7	327.6	324.6	323.5	323.8	324.3
43	508.5	522.3	530.3	541.7	550.2	557.3	564.8	571.5	574.0	574.9	575.4	575.3	571.0	561.9
44	515.9	514.7	535.4	544.6	553.4	553.8	570.2	577.4	580.1	579.5	577.6	573.0	571.2	566.8
67	322.2	327.1	331.5	334.3	338.8	339.8	341.6	341.3	341.5	340.5	340.2	340.2	342.3	341.1
68	315.2	318.6	322.2	326.9	330.8	335.9	337.4	337.4	337.6	336.8	335.0	336.4	338.0	339.6
85	644.2	651.7	656.3	656.1	655.5	652.0	652.0	646.0	645.1	639.7	630.5	619.8	608.9	591.1
86	659.8	665.4	666.1	666.3	668.0	668.5	670.7	667.5	657.8	652.4	644.1	631.6	622.2	608.1
87	502.1	530.8	561.8	593.4	625.7	653.9	688.5	714.1	746.1	776.1	803.1	826.3	856.9	878.6
88	504.3	534.8	566.7	598.3	632.1	659.4	693.5	720.0	751.8	783.5	810.6	840.4	869.5	893.6
89	269.7	288.9	311.4	334.2	353.9	381.2	410.8	440.8	474.1	510.3	544.8	581.5	623.3	661.0
90	266.8	287.7	308.7	327.2	354.2	381.1	411.2	441.0	475.3	509.7	544.6	583.0	620.8	659.2
91	265.2	285.0	305.3	327.4	352.4	379.7	410.0	441.2	474.5	512.7	550.4	591.0	635.1	670.2
921	738.2	699.4	654.0	612.4	574.1	534.2	495.9	460.0	424.0	392.6	363.6	337.9	313.9	290.7

Table XXXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 705	R: 706	R: 707	R: 708	R: 709	R: 710	R: 711	R: 712	R: 713	R: 714	R: 715	R: 716	R: 717	R: 718	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	487.1	522.1	561.7	598.0	639.1	682.2	722.3	767.8	822.4	875.4	925.4	971.8	1019.6	1065.1	
93	352.1	382.3	413.2	446.0	482.2	516.7	555.0	593.4	637.9	681.6	724.5	765.4	810.5	852.5	
94	476.6	511.7	549.8	589.5	632.5	672.1	720.7	767.3	821.0	871.6	917.6	962.0	1009.0	1052.7	
95	279.4	298.9	322.0	343.9	372.1	399.1	429.6	460.3	496.5	536.9	576.8	618.3	661.5	705.0	
125	368.8	374.8	376.5	376.2	375.6	375.3	369.8	362.9	356.5	348.5	339.6	333.8	333.3	326.1	
126	385.1	387.7	391.2	391.7	391.7	386.7	382.8	377.0	369.6	361.9	356.8	350.8	347.5	343.3	
128	753.6	690.9	615.4	547.9	491.9	437.1	397.2	365.2	338.7	319.4	303.7	290.1	278.0	266.1	
132	258.0	270.6	281.5	292.5	313.4	329.2	345.8	368.5	398.4	428.2	458.3	487.6	523.2	562.4	
201	1345.5	1311.0	1270.3	1226.0	1183.1	1134.9	1083.5	1035.6	979.3	933.0	885.4	833.4	782.8	728.4	
202	1464.4	1443.3	1422.5	1396.1	1368.8	1334.8	1300.5	1259.6	1222.5	1180.9	1142.7	1097.4	1051.0	1006.6	
203	1497.1	1498.1	1492.5	1486.2	1475.7	1457.4	1438.6	1412.0	1381.8	1351.8	1317.7	1280.0	1239.8	1195.6	
204	1437.0	1458.5	1473.9	1486.2	1495.7	1497.9	1502.0	1493.3	1482.9	1470.9	1457.5	1437.7	1403.4	1373.6	
205	1281.6	1320.1	1353.5	1384.0	1414.1	1440.6	1462.2	1477.0	1487.1	1495.1	1498.0	1502.0	1492.0	1482.1	
206	1092.7	1140.6	1186.5	1229.6	1271.4	1311.9	1346.9	1377.9	1408.7	1433.5	1450.5	1476.9	1484.9	1494.5	
207	937.9	987.4	1035.2	1080.4	1127.1	1171.9	1215.1	1253.3	1294.9	1329.7	1362.9	1395.8	1419.4	1441.3	
208	843.2	884.9	928.8	974.2	1021.4	1065.1	1110.5	1151.5	1196.4	1236.7	1277.6	1313.0	1345.2	1377.9	
209	1168.0	1177.7	1183.7	1185.3	1187.7	1186.6	1179.3	1169.4	1157.5	1137.5	1122.0	1099.2	1075.7	1047.6	
210	1292.4	1308.2	1316.9	1324.2	1329.6	1332.1	1327.7	1320.1	1305.4	1292.8	1275.6	1253.8	1226.2	1198.6	
211	1396.2	1416.0	1430.6	1440.7	1446.1	1451.0	1451.7	1442.8	1432.6	1421.6	1406.5	1387.0	1355.6	1323.9	
212	1400.0	1420.9	1431.9	1445.5	1454.2	1456.8	1457.6	1450.7	1437.7	1425.2	1416.8	1399.6	1365.5	1335.1	
213	1308.9	1323.5	1330.8	1339.6	1345.0	1346.0	1343.0	1336.3	1322.6	1310.1	1295.8	1279.6	1242.7	1222.6	
214	1174.0	1185.3	1188.9	1192.5	1192.6	1188.0	1183.7	1174.6	1162.7	1147.5	1130.3	1108.7	1090.1	1064.0	
215	715.3	673.3	632.6	594.6	556.8	518.8	480.4	447.9	413.1	384.5	358.2	334.3	309.6	286.5	
216	620.8	630.5	644.9	651.3	657.5	661.5	664.1	663.6	663.4	662.3	660.1	653.4	647.3	636.4	
217	635.9	649.2	655.7	662.1	668.3	671.5	677.2	670.1	671.2	668.7	664.6	658.0	652.7	641.9	
218	487.7	519.2	558.7	596.1	639.6	680.3	725.1	768.6	819.6	870.0	916.0	962.4	1011.4	1053.7	
219	384.6	390.9	397.1	400.2	404.2	407.3	409.6	409.8	408.0	404.6	406.5	402.0	400.4	396.6	
220	385.5	392.1	397.1	399.9	402.6	405.9	407.2	404.8	406.1	403.3	400.2	401.7	397.4	395.6	
221	329.4	332.8	336.6	338.7	342.5	341.9	342.2	340.2	340.3	341.3	339.8	336.8	333.7	333.5	
222	326.4	325.3	329.0	331.0	332.4	332.1	333.2	333.2	332.6	333.1	333.7	334.2	335.5	335.7	
223	315.4	322.0	323.7	327.0	329.6	334.1	333.2	333.6	332.1	329.5	327.1	330.4	330.2	329.3	
224	314.9	319.2	322.3	324.2	329.1	327.4	328.6	329.4	329.7	329.6	329.0	330.3	331.1	332.6	
225	585.4	545.3	511.3	475.9	446.6	415.1	388.6	363.1	337.3	315.8	296.6	277.1	262.8	246.4	
226	943.1	898.5	851.9	804.8	761.0	720.4	681.4	644.0	605.1	561.0	525.1	484.8	454.6	417.9	
227	1052.7	1006.2	958.3	910.6	859.3	814.1	757.1	709.4	661.8	622.1	580.8	537.9	500.4	465.5	
228	1182.2	1136.9	1089.4	1036.6	984.8	931.0	873.4	814.8	750.6	691.6	641.9	602.9	552.2	514.5	

Table XXXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 705	R: 706	R: 707	R: 708	R: 709	R: 710	R: 711	R: 712	R: 713	R: 714	R: 715	R: 716	R: 717	R: 718
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	612.6	659.9	706.0	751.9	800.9	847.2	893.6	937.3	986.6	1036.3	1084.1	1117.6	1169.8	1207.7
230	290.7	314.0	338.1	365.3	393.3	423.9	456.7	489.3	526.8	565.6	608.0	650.5	690.5	735.8
231	849.5	846.9	846.5	842.2	840.5	833.5	826.1	814.9	806.1	791.7	782.5	768.6	753.6	734.2
232	1062.3	1067.8	1068.2	1068.5	1068.0	1059.1	1050.8	1041.3	1027.6	1007.0	990.8	969.9	948.1	923.7
233	1048.7	1054.9	1054.5	1052.1	1049.6	1045.3	1036.6	1024.9	1013.2	996.3	978.5	959.7	939.4	917.3
234	844.1	846.2	847.4	840.0	838.0	831.5	823.7	816.1	806.3	792.5	778.0	760.5	744.7	727.4
235	378.1	390.5	402.4	411.9	424.3	433.1	442.4	443.4	448.5	445.1	445.5	442.7	444.2	442.4
236	325.0	349.5	373.9	394.1	416.7	440.2	458.7	476.5	496.1	515.6	532.1	547.8	560.4	572.5
237	287.2	310.3	332.4	357.8	386.2	412.4	442.4	469.0	499.0	532.5	569.2	606.7	649.0	685.5
238	283.9	301.8	322.0	348.1	377.9	404.8	435.8	467.5	503.8	541.2	579.2	621.3	665.3	706.1
239	278.9	297.4	317.6	342.2	369.6	399.0	429.9	461.5	494.7	531.9	575.5	616.1	659.5	705.3
240	233.2	245.9	260.7	277.7	307.4	327.9	349.8	368.6	395.6	426.8	456.4	488.3	525.8	568.2
241	245.7	274.3	300.2	321.3	342.0	361.6	375.4	389.2	408.7	423.6	440.2	454.2	467.5	488.8
242	185.6	171.7	159.8	146.9	135.5	125.6	116.7	110.9	102.8	96.8	91.9	87.1	83.2	80.0
243	301.9	285.0	266.6	250.4	235.1	222.0	207.0	193.4	181.3	170.4	160.7	153.7	146.7	140.8
244	555.2	520.1	486.7	454.8	426.4	400.2	373.7	350.8	329.7	310.6	292.8	277.2	265.8	255.5
245	572.6	533.9	501.3	469.1	438.3	408.4	382.5	356.5	334.2	314.1	294.3	278.5	263.8	252.0
246	449.4	425.0	404.2	394.9	411.8	429.7	429.3	428.7	422.4	423.0	419.3	416.8	417.5	416.8
247	380.7	387.9	395.0	407.2	412.5	413.8	415.0	412.7	411.6	407.7	400.3	389.6	380.9	368.1
248	359.5	357.8	356.3	350.8	348.5	346.1	344.6	339.7	335.6	327.6	325.3	331.6	330.5	325.4
249	363.5	364.9	363.2	361.1	359.2	357.6	354.7	349.1	341.5	334.3	333.0	326.9	320.6	314.5
250	295.8	334.5	357.3	368.2	369.3	362.8	355.3	337.5	314.7	295.7	282.0	268.0	247.5	231.7
251	245.1	247.7	249.3	247.1	240.2	235.0	235.2	234.7	235.0	234.4	233.9	234.0	234.6	231.4
252	642.1	686.9	729.1	774.1	828.9	880.9	927.4	975.6	1027.4	1073.9	1122.0	1167.1	1200.8	1246.5

Table XXXVI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	20.0°	22.0°	24.0°	
	R: 438	R: 439	R: 440	R: 441	R: 442	R: 443	R: 444	R: 445	R: 450	R: 446	R: 447	R: 448	R: 449	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	300.3	321.9	346.3	372.7	399.1	427.5	455.0	482.5	513.5	537.5	599.8	630.1	661.0	
3	421.6	426.5	431.0	435.7	439.1	441.6	443.7	442.8	446.0	445.9	444.0	440.5	434.3	
4	371.6	378.0	381.5	385.9	388.7	392.5	393.1	395.5	390.2	389.6	382.4	377.3	369.7	
5	434.6	434.0	433.4	433.7	432.6	431.5	430.2	428.8	429.3	425.6	419.3	412.5	408.4	
6	377.4	379.2	377.0	377.8	378.7	377.4	377.2	375.4	368.4	366.7	357.2	351.0	343.3	
7	444.6	440.5	435.8	432.7	427.6	423.1	416.8	412.1	408.6	404.5	395.3	388.6	384.0	
8	388.1	385.9	380.8	379.6	376.9	372.2	368.7	365.4	357.6	355.6	345.5	337.8	332.8	
9	466.0	437.6	408.6	382.8	357.2	333.0	311.0	290.1	269.6	252.6	216.6	201.9	187.6	
10	246.4	265.9	285.7	308.6	330.9	354.7	379.8	404.7	436.4	461.1	519.2	552.0	585.3	
11	406.2	405.8	404.6	405.8	405.4	401.0	397.6	393.3	391.6	384.7	381.4	380.6	377.8	
12	344.2	346.0	344.8	347.2	345.5	339.7	340.3	337.6	327.8	327.2	320.1	317.5	315.9	
13	398.5	396.2	392.5	390.8	389.3	385.2	383.1	381.2	383.6	380.3	373.4	372.1	373.6	
14	336.9	335.4	332.4	332.7	331.0	321.8	328.8	328.2	323.6	323.9	313.6	310.1	310.8	
15	385.0	382.4	379.4	377.2	374.4	370.6	365.8	361.6	362.5	359.0	353.2	349.8	343.9	
16	320.5	320.1	316.9	316.0	315.0	312.0	310.5	308.2	301.8	302.4	297.2	296.5	294.7	
17	481.6	452.6	422.8	396.0	368.8	342.7	317.9	296.6	271.1	254.6	225.8	210.1	193.9	
19	323.3	319.3	315.7	315.2	315.4	314.6	314.9	314.9	317.9	317.1	319.4	315.3	312.4	
20	268.3	269.7	268.7	269.7	270.2	270.1	272.1	272.7	268.6	269.6	267.2	261.1	260.0	
21	301.5	300.7	300.2	300.5	299.4	299.7	300.4	301.5	305.4	303.5	303.0	302.8	304.7	
22	254.2	256.3	256.6	257.9	257.1	257.0	258.4	260.3	260.3	259.8	254.2	250.5	247.5	
23	263.3	259.0	259.7	262.8	261.7	261.0	260.8	259.8	263.6	259.8	271.0	272.7	273.4	
24	229.8	231.1	230.7	230.9	230.4	229.2	228.6	226.1	222.8	221.9	222.9	223.7	224.5	
25	262.8	261.3	259.6	261.1	259.2	259.5	258.2	256.7	256.7	256.0	251.2	250.5	250.0	
26	216.4	217.5	217.5	218.0	217.7	216.7	217.2	217.0	213.5	213.4	208.4	206.9	205.6	
43	385.6	386.6	394.1	399.4	405.4	409.7	414.5	420.2	425.3	428.7	429.9	428.3	427.8	
44	330.3	333.0	338.8	344.7	349.2	347.6	359.2	361.4	359.8	358.8	354.0	350.3	348.8	
67	244.1	242.8	247.5	252.6	255.6	253.3	255.7	255.3	256.9	256.6	256.3	259.5	262.6	
68	206.3	209.7	211.8	213.9	216.2	219.0	219.7	220.3	217.2	216.4	215.3	214.6	214.2	
85	469.1	471.8	473.2	475.4	476.2	473.0	470.2	468.1	469.1	463.0	454.6	449.1	439.3	
86	417.7	419.4	420.4	421.8	421.3	421.0	420.7	420.9	410.4	408.8	397.7	391.3	383.2	
87	358.0	377.4	396.9	418.6	440.2	460.0	479.7	499.5	526.1	541.5	581.9	600.6	621.3	
88	329.0	349.1	368.4	389.1	408.3	426.8	447.0	466.3	484.3	500.8	538.5	555.6	574.7	
89	186.4	199.7	213.9	229.5	244.3	262.3	282.2	302.0	324.8	346.7	396.6	422.9	449.4	
90	185.5	197.2	209.3	223.7	241.2	258.0	275.6	294.1	316.4	335.2	386.0	410.0	435.2	
91	183.4	195.0	207.7	223.0	239.4	257.0	276.1	296.4	319.4	340.2	392.2	418.9	446.9	
921	500.5	468.5	438.9	411.0	384.7	358.3	334.5	312.8	289.3	270.4	233.6	216.4	201.0	

Table XXXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	20.0°	22.0°	24.0°	
	R: 438	R: 439	R: 440	R: 441	R: 442	R: 443	R: 444	R: 445	R: 450	R: 446	R: 447	R: 448	R: 449	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	332.5	356.3	380.3	407.7	434.8	462.4	489.9	516.8	554.0	581.8	649.0	681.6	712.0	
93	240.5	259.3	280.4	302.6	324.4	349.3	374.0	398.0	427.6	452.3	511.1	541.4	572.7	
94	321.7	347.2	371.4	397.8	425.6	454.2	484.2	514.8	551.0	578.7	640.9	669.4	701.1	
95	191.0	204.8	219.9	236.7	253.6	273.2	292.0	313.1	336.7	356.3	412.0	439.1	468.5	
125	281.2	281.8	281.3	281.9	279.6	276.5	273.8	269.5	263.8	260.5	252.8	249.1	251.0	
126	241.7	244.2	245.7	247.7	248.1	245.8	244.6	242.1	232.1	229.0	220.0	218.2	216.2	
128	523.5	475.2	430.1	387.1	347.9	314.7	287.9	270.9	245.8	237.5	228.7	222.1	216.8	
132	180.6	188.5	196.4	207.9	218.2	228.4	241.7	256.4	275.3	290.9	330.4	351.3	374.6	
201	914.7	890.9	860.3	833.6	801.2	768.3	734.9	706.5	670.1	641.4	576.0	540.8	505.3	
202	994.4	984.6	965.2	946.9	927.5	903.2	880.1	859.0	829.0	805.1	748.2	717.0	686.0	
203	1018.7	1021.9	1015.5	1010.1	1000.7	987.4	973.1	961.1	937.3	919.5	870.7	844.1	814.8	
204	977.2	993.3	1002.9	1010.6	1015.3	1015.8	1014.6	1016.0	1005.1	997.2	972.0	952.9	932.9	
205	870.5	898.3	919.9	942.2	960.5	974.9	988.0	1002.2	1008.9	1011.4	1013.5	1009.7	1003.1	
206	743.2	776.4	805.1	835.9	864.4	887.2	911.7	934.0	953.7	967.8	994.4	1002.4	1008.6	
207	637.5	669.2	701.5	734.5	763.9	791.4	820.1	846.9	874.8	895.4	936.8	954.7	970.4	
208	573.5	601.3	627.5	660.0	689.5	719.5	748.4	776.7	806.9	830.6	879.7	902.5	925.9	
209	825.2	832.7	833.6	836.6	836.0	831.7	825.2	821.5	814.7	802.4	776.6	761.0	744.2	
210	904.4	915.1	919.4	924.1	925.9	923.4	920.2	917.0	909.9	901.0	872.9	857.3	838.9	
211	963.1	977.8	984.2	992.2	995.4	995.5	995.2	993.5	984.9	977.1	951.5	933.2	913.8	
212	938.4	953.5	961.5	971.1	975.4	974.6	975.5	977.3	962.0	956.5	930.9	915.3	895.5	
213	864.1	876.5	881.0	886.3	887.8	887.6	885.7	885.5	870.2	863.8	839.3	822.9	806.9	
214	765.1	772.5	773.0	775.3	773.6	771.9	769.4	766.5	750.4	745.8	721.4	705.9	691.0	
215	486.6	458.4	427.1	402.2	375.8	349.9	325.9	306.0	282.5	265.3	229.1	213.4	197.2	
216	452.8	459.1	464.8	470.8	473.5	477.1	476.4	477.4	481.0	479.3	476.2	472.4	468.3	
217														
218	332.9	356.9	381.5	409.2	437.2	465.5	492.6	519.4	556.4	584.3	647.3	677.6	709.3	
219	291.9	294.2	295.5	300.0	303.0	303.1	304.4	305.3	305.5	306.3	306.1	305.6	306.9	
220	246.3	250.3	252.4	254.8	254.8	256.6	257.3	257.2	255.3	253.5	251.1	248.6	245.8	
221	247.7	249.9	251.1	254.2	254.6	253.5	254.2	254.9	255.6	254.2	255.2	254.3	252.9	
222	208.6	210.4	212.5	214.7	215.8	216.0	216.2	215.0	212.9	212.7	210.5	209.5	209.3	
223	235.2	238.6	241.7	245.2	247.2	248.8	248.7	248.4	251.0	250.2	249.3	249.5	251.2	
224	201.3	204.1	205.5	207.9	209.4	210.0	211.0	211.3	207.5	207.8	205.7	205.7	208.3	
225	397.6	371.0	346.4	325.6	305.8	284.5	266.7	250.0	231.9	219.3	191.4	180.6	172.3	
226	636.4	604.5	572.9	544.0	514.8	486.1	459.2	434.2	408.1	385.8	334.7	309.6	286.8	
227	712.3	680.0	647.8	616.6	585.1	551.8	516.6	485.1	453.4	429.9	374.1	345.1	319.9	
228	803.5	771.7	736.8	703.9	667.0	629.9	593.7	558.3	514.3	479.0	413.1	382.0	355.7	

Table XXXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	20.0°	22.0°	24.0°
	R: 438	R: 439	R: 440	R: 441	R: 442	R: 443	R: 444	R: 445	R: 450	R: 446	R: 447	R: 448	R: 449
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	419.3	448.0	479.1	512.0	542.6	569.9	601.2	630.4	664.9	691.5	752.8	782.6	811.2
230	201.5	216.8	231.8	250.6	268.2	289.3	309.4	331.0	357.4	379.7	432.3	458.6	491.6
231	608.5	608.3	606.4	607.1	601.9	596.0	589.2	583.5	580.0	570.2	551.7	540.7	529.8
232	754.5	756.4	756.9	757.3	754.4	748.3	740.6	734.8	728.4	717.2	690.6	675.1	659.2
233	679.3	680.4	678.0	679.0	675.1	670.5	665.6	660.5	647.1	640.6	617.5	603.0	588.4
234	537.0	535.1	532.6	531.4	529.8	524.4	520.0	516.9	506.7	499.9	482.9	470.3	460.5
235	275.8	285.1	292.4	301.2	310.8	318.2	324.0	327.8	334.2	333.2	335.0	335.2	336.4
236	233.5	249.9	266.8	283.5	298.5	315.5	328.5	341.2	358.4	368.2	398.2	411.0	422.4
237	199.4	215.2	232.6	249.5	267.6	286.7	306.2	324.6	348.9	370.1	421.0	445.4	472.1
238	198.0	209.8	223.3	241.0	258.5	278.6	297.1	319.7	344.8	365.7	419.8	447.9	477.1
239	189.7	203.4	218.5	235.3	253.3	271.3	291.7	312.4	337.8	358.5	412.5	440.1	469.5
240	166.2	172.7	181.1	192.5	205.0	224.2	244.2	260.6	280.4	297.6	343.4	370.8	397.6
241	167.0	190.5	207.7	226.7	243.6	259.7	273.9	283.7	299.2	310.5	334.2	347.1	363.9
242	121.9	112.3	103.7	96.8	88.4	81.7	76.7	72.4	66.9	65.5	60.4	58.9	63.3
243	210.7	197.8	184.8	173.2	163.1	153.0	143.9	136.1	126.1	121.5	108.9	103.8	97.8
244	380.3	354.9	331.8	311.0	290.0	271.5	254.5	241.0	225.2	214.8	190.1	182.1	174.6
245	391.1	364.2	341.6	319.4	299.6	279.1	260.3	244.9	228.5	215.2	193.7	184.1	174.5
246	326.2	312.3	300.9	303.1	316.5	317.4	317.7	317.0	317.9	313.2	311.6	311.3	310.4
247	281.3	285.6	291.0	297.7	304.2	304.3	303.3	303.8	306.4	304.6	300.1	296.0	288.5
248	277.1	273.0	267.7	265.5	264.0	261.9	258.6	256.7	251.3	255.2	251.2	248.9	245.6
249	232.7	232.4	231.5	230.5	229.9	228.3	227.2	224.9	219.5	216.4	214.7	208.2	203.7
250	253.5	267.5	275.3	275.6	271.2	261.9	252.6	240.4	229.8	218.3	204.3	187.6	175.7
251	185.2	186.6	184.4	181.1	178.5	175.8	175.8	176.2	178.4	176.8	178.3	176.4	177.8
252	439.9	467.0	495.2	527.1	560.5	592.3	624.0	655.3	689.1	717.2	779.2	807.9	835.0

Table XXXVII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 451	R: 452	R: 453	R: 454	R: 455	R: 456	R: 457	R: 458	R: 465	R: 460	R: 461	R: 462	R: 463	R: 464
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	299.1	322.7	346.5	370.4	397.1	425.7	454.7	483.3	513.4	543.8	571.8	605.6	633.8	662.2
3	390.3	398.2	404.7	409.7	412.4	414.9	416.4	419.6	417.7	417.1	412.4	411.2	404.7	397.0
4	393.5	400.6	407.9	413.0	417.1	419.7	425.3	423.4	424.0	420.0	415.7	411.7	404.6	399.5
5	401.5	403.1	406.2	406.3	406.6	405.8	405.2	402.9	400.7	397.3	391.0	388.5	384.1	376.3
6	401.0	402.4	404.6	406.1	406.6	404.8	403.7	401.7	398.5	394.1	386.9	381.8	375.0	367.2
7	412.2	409.5	408.8	406.0	402.3	396.7	394.1	388.9	382.5	376.2	370.5	366.3	361.5	354.1
8	412.9	411.0	410.7	408.9	404.9	400.3	397.1	391.3	386.5	379.5	373.0	365.4	359.6	353.7
9	464.3	437.0	408.2	382.6	358.2	333.7	310.2	290.2	269.3	249.9	234.2	215.2	199.8	185.3
10	244.9	264.6	286.1	308.0	331.2	356.4	382.3	408.1	438.0	464.5	495.6	525.2	554.0	583.8
11	375.5	374.6	373.9	374.3	373.2	370.5	368.0	364.9	360.3	356.6	351.8	348.7	346.6	345.2
12	366.3	367.1	368.0	368.2	368.4	365.4	345.3	357.6	354.0	349.2	348.8	346.0	344.3	340.6
13	367.2	364.9	363.0	360.8	358.9	355.8	353.6	353.4	353.9	353.2	349.1	345.1	340.1	341.2
14	357.3	356.1	354.0	354.3	352.2	350.0	350.8	348.7	347.4	344.2	340.4	336.2	334.9	335.0
15	355.6	354.2	351.3	348.8	345.3	342.2	339.7	337.8	334.5	330.2	327.3	323.9	321.3	319.2
16	341.1	338.9	337.3	335.7	333.8	332.0	329.2	326.9	324.9	321.8	322.2	320.0	316.8	313.3
17	480.6	451.5	424.4	396.3	369.5	343.8	317.9	296.0	274.1	260.5	235.5	217.0	200.9	185.8
19	298.9	296.4	295.0	293.1	292.5	293.6	294.7	296.0	295.9	298.4	295.0	295.3	295.4	289.9
20	286.1	288.2	289.6	288.7	288.1	289.0	290.3	289.6	290.3	291.1	290.4	288.1	283.3	280.2
21	281.4	278.7	279.2	280.8	279.9	280.1	281.5	283.4	283.3	281.8	285.5	284.8	282.2	280.5
22	270.7	272.5	274.0	274.6	275.9	276.9	277.5	279.1	281.3	279.1	277.9	274.0	271.6	269.1
23	246.2	247.9	250.6	252.8	253.4	253.2	254.0	253.5	252.5	248.4	250.0	250.0	251.5	251.5
24	242.6	244.1	244.9	245.3	245.2	245.1	243.3	241.5	239.0	237.1	237.2	238.6	240.6	237.4
25	236.1	236.1	236.2	236.2	237.1	236.9	235.8	234.3	233.5	231.7	233.1	230.2	229.0	225.4
26	226.0	226.8	225.4	225.1	224.3	224.7	223.9	223.1	222.4	219.7	218.7	219.3	220.0	219.5
43	355.5	356.9	361.9	367.3	372.0	377.6	382.8	386.3	389.8	391.1	393.6	394.6	388.4	384.3
44	351.4	354.8	361.9	367.6	376.2	380.0	386.6	389.0	392.7	392.7	390.2	389.9	385.0	382.2
67	219.8	222.9	226.7	230.0	231.1	233.6	235.1	234.1	235.9	235.4	235.0	236.7	235.1	233.2
68	213.6	215.3	217.8	221.0	222.1	226.8	227.7	227.7	228.5	226.5	225.3	227.1	227.8	230.2
85	439.2	441.6	443.4	445.5	444.2	444.1	442.3	440.7	438.0	434.8	428.7	420.4	413.8	403.9
86	445.3	450.0	451.1	451.2	452.1	452.2	450.9	450.6	445.4	440.5	433.4	426.6	420.8	410.2
87	341.1	361.3	382.5	401.6	422.1	441.9	461.9	483.4	505.4	523.4	542.0	559.4	577.3	595.2
88	340.1	362.6	383.3	403.5	424.4	446.1	465.9	487.0	507.8	528.1	545.1	566.6	585.5	599.6
89	186.9	199.2	211.9	225.8	242.9	260.5	280.1	300.8	322.8	346.0	368.7	395.4	419.7	447.2
90	183.6	196.5	210.4	224.4	240.5	259.9	278.7	298.5	321.6	343.7	368.4	393.2	418.1	443.2
91	182.6	193.6	207.4	223.5	239.4	257.2	277.5	297.9	322.4	346.7	371.1	398.8	424.5	450.6
921	497.9	467.7	440.2	412.0	385.7	359.4	334.0	311.3	288.1	268.3	248.6	231.3	214.7	197.9

Table XXXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 451 Pi	R: 452 Pi	R: 453 Pi	R: 454 Pi	R: 455 Pi	R: 456 Pi	R: 457 Pi	R: 458 Pi	R: 465 Pi	R: 460 Pi	R: 461 Pi	R: 462 Pi	R: 463 Pi	R: 464 Pi
922	330.3	354.4	378.6	405.8	433.6	459.6	489.0	518.5	553.6	589.3	620.1	654.2	684.3	711.6
93	241.2	259.4	280.0	301.3	324.0	349.9	374.5	400.4	429.2	458.9	486.2	514.7	543.7	572.3
94	323.6	347.9	372.8	399.4	426.6	456.5	486.5	518.3	553.5	586.1	617.9	649.4	675.5	704.0
95	191.4	203.7	217.7	233.6	251.0	269.9	291.1	312.9	336.5	361.4	387.1	415.9	445.3	475.4
125	266.2	269.8	271.7	272.0	265.1	267.0	262.8	259.5	253.5	251.2	247.4	242.7	237.7	233.1
126	260.7	262.9	263.5	265.0	264.3	262.5	259.0	255.9	250.5	246.0	240.1	237.6	233.6	230.5
128	514.2	468.9	423.9	372.7	327.9	293.9	268.4	256.4	251.8	228.7	218.5	210.9	203.3	192.1
132	179.2	186.5	194.1	202.5	215.9	226.0	238.5	253.1	270.1	293.1	309.2	332.7	356.2	379.1
201	908.1	883.2	856.9	829.7	799.7	767.5	732.5	701.8	667.0	634.8	599.6	568.0	533.5	501.7
202	987.3	975.6	960.6	943.9	925.5	903.4	878.2	854.1	825.1	799.8	770.9	742.2	711.9	682.2
203	1012.8	1012.5	1010.3	1005.4	997.7	988.0	971.9	956.9	935.5	914.8	892.8	865.8	836.9	808.1
204	973.0	985.2	997.1	1006.5	1012.0	1015.2	1011.9	1009.9	1002.6	994.3	982.4	968.0	948.0	925.7
205	865.6	892.4	916.5	938.1	956.7	976.1	986.9	997.5	1004.7	1009.6	1010.1	1012.2	1006.9	997.2
206	736.6	771.3	801.1	832.5	859.2	887.3	909.7	930.7	950.4	967.3	980.9	992.5	999.9	1005.0
207	633.5	667.4	698.4	729.0	760.1	791.7	818.3	845.8	872.3	896.5	917.6	936.7	953.6	969.8
208	568.3	597.3	626.9	655.5	685.8	717.1	747.1	775.9	805.7	832.0	857.5	882.2	903.4	924.3
209	789.2	793.6	799.5	801.2	801.0	799.3	793.9	787.8	778.5	767.2	755.5	741.6	727.4	708.4
210	871.1	882.0	889.9	894.7	899.0	899.2	894.4	889.7	879.9	869.9	859.0	845.4	827.6	809.9
211	941.8	955.6	966.4	973.7	979.8	983.4	979.7	976.4	967.4	958.5	946.5	934.3	915.9	894.2
212	949.4	962.0	972.0	978.5	982.9	987.2	983.9	981.5	974.1	967.4	955.0	941.9	922.8	899.7
213	884.8	894.9	901.2	904.9	909.2	910.9	905.8	900.3	895.2	885.6	875.1	862.2	845.5	824.1
214	790.6	798.8	801.9	803.0	804.2	803.5	797.8	792.2	784.8	776.2	761.7	753.7	735.6	719.0
215	482.5	453.5	425.9	400.1	374.9	348.7	325.4	304.0	281.8	262.9	245.1	227.7	210.1	194.6
216	424.4	430.4	436.6	442.5	445.7	448.2	450.3	451.9	451.0	449.9	447.8	443.4	437.9	433.0
217														
218	329.7	353.2	377.8	405.2	431.4	461.1	489.9	518.4	553.2	585.0	617.5	648.0	677.5	706.7
219	276.0	274.1	275.8	279.9	283.1	284.3	285.3	284.9	284.8	284.9	284.6	288.2	288.4	286.9
220	260.7	265.2	269.5	273.1	274.0	275.9	276.8	275.5	276.6	275.4	273.9	273.5	270.5	268.3
221	226.6	227.1	230.6	233.3	233.7	234.6	236.2	236.9	236.0	234.9	233.8	234.2	232.7	231.5
222	221.5	220.8	222.6	223.9	224.5	225.8	226.3	225.4	225.5	226.4	227.2	228.1	227.9	227.7
223	218.0	220.8	224.5	226.4	228.8	229.4	230.8	229.7	230.0	232.1	230.3	230.0	227.9	226.5
224	213.0	216.2	219.4	220.5	222.3	223.0	223.5	224.0	224.5	224.5	225.0	224.5	225.3	225.9
225	396.6	370.2	346.7	325.4	304.8	284.8	266.3	249.0	231.6	217.0	204.7	192.1	181.1	170.0
226	631.7	601.8	571.3	540.3	511.1	483.0	458.7	434.7	408.2	380.7	354.4	332.2	309.3	286.1
227	706.4	677.2	645.9	614.7	582.9	549.2	513.7	482.6	452.1	422.9	392.7	368.3	343.1	318.1
228	797.7	766.9	734.5	700.0	665.8	629.5	592.9	554.4	513.6	471.3	436.6	406.6	378.3	352.2

Table XXXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 451 Pi	R: 452 Pi	R: 453 Pi	R: 454 Pi	R: 455 Pi	R: 456 Pi	R: 457 Pi	R: 458 Pi	R: 465 Pi	R: 460 Pi	R: 461 Pi	R: 462 Pi	R: 463 Pi	R: 464 Pi
229	415.3	444.1	475.1	507.0	539.0	568.8	601.1	631.2	664.4	694.5	724.9	756.3	784.0	812.6
230	198.5	214.6	230.1	248.4	266.5	287.4	310.7	331.2	358.2	382.1	410.2	436.6	462.7	492.2
231	570.7	571.8	567.7	566.2	562.7	559.1	552.9	548.2	541.4	534.4	527.3	519.0	508.8	495.2
232	715.2	719.3	720.4	720.2	719.3	713.7	707.7	700.9	690.4	680.6	667.4	656.2	641.2	624.8
233	706.5	710.1	710.2	709.5	708.1	704.1	696.5	690.5	681.5	671.1	659.2	649.1	636.5	619.8
234	568.8	569.5	569.2	566.7	565.0	560.4	556.4	548.4	542.6	533.7	522.8	516.6	504.7	492.7
235	259.6	269.0	279.7	285.8	291.4	298.0	302.6	306.4	308.0	312.4	311.1	308.9	307.3	308.7
236	227.7	242.5	256.2	270.3	287.0	301.1	312.9	326.7	339.7	351.4	363.7	376.6	386.2	393.1
237	198.4	213.4	227.5	246.6	263.8	282.3	301.4	320.7	340.7	363.7	388.0	414.2	439.4	464.3
238	192.9	205.4	221.7	238.2	256.9	275.9	297.0	317.5	341.2	365.3	392.8	419.5	447.9	475.1
239	190.5	202.3	217.5	233.6	251.2	270.2	290.3	311.9	335.5	361.9	388.8	417.2	443.8	472.9
240	165.8	175.2	187.1	203.7	217.3	231.0	247.1	263.6	286.2	304.2	327.1	349.2	374.2	401.4
241	168.1	187.7	203.0	218.4	233.2	247.4	257.3	269.2	280.8	294.4	306.0	313.8	322.6	334.0
242	127.3	117.3	110.2	102.1	94.4	87.5	82.1	76.6	71.5	68.8	66.4	63.5	59.9	55.6
243	205.2	194.2	181.5	171.4	160.4	151.2	142.7	133.9	126.2	119.3	115.0	108.6	102.7	95.6
244	375.7	351.8	329.7	307.6	289.1	271.6	255.0	239.7	224.9	211.6	201.4	193.1	182.7	174.6
245	385.8	361.5	338.3	316.7	296.5	276.6	259.4	243.0	227.7	214.0	203.2	191.4	181.5	172.5
246	308.5	297.2	283.1	274.6	265.8	252.1	239.8	229.2	220.6	211.5	202.1	189.3	189.6	189.4
247	261.9	265.0	271.9	281.5	287.0	287.5	287.0	287.5	285.8	281.7	275.7	271.2	267.5	263.6
248	257.2	256.8	256.7	256.9	255.3	253.3	250.6	247.3	241.9	238.6	235.8	232.2	225.6	222.2
249	247.3	247.4	246.2	244.3	243.2	241.1	239.2	236.5	232.4	228.3	226.4	227.3	216.6	211.4
250	213.7	234.8	248.2	254.5	254.2	249.8	237.6	230.3	217.1	205.7	195.1	186.7	171.9	160.9
251	170.2	172.3	171.7	169.4	165.3	163.2	163.2	163.3	163.2	162.8	161.3	162.5	161.1	162.3
252	434.6	461.9	492.2	525.5	558.0	592.7	624.6	655.9	689.4	721.1	750.8	781.5	808.8	833.8

Table XXXVIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 466	R: 467	R: 468	R: 469	R: 470	R: 471	R: 472	R: 473	R: 480	R: 475	R: 476	R: 477	R: 478	R: 479
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	296.8	320.0	345.2	369.3	394.3	422.0	450.3	479.3	504.8	538.0	567.0	596.7	627.7	660.4
3	365.6	370.4	377.7	381.7	384.1	386.8	389.1	388.9	388.2	390.3	384.9	379.7	374.3	370.6
4	421.4	426.1	433.7	438.5	442.5	444.7	448.3	449.4	447.0	449.6	446.5	445.4	441.9	433.7
5	374.5	375.5	376.4	377.7	377.5	377.0	375.7	374.6	372.2	371.1	365.1	361.5	358.8	352.3
6	431.0	430.7	431.1	432.7	432.9	433.0	429.3	428.6	424.0	420.5	416.3	412.6	406.3	399.7
7	385.0	381.7	379.8	376.1	373.1	367.7	365.1	362.7	357.6	353.9	347.3	342.8	338.1	333.6
8	442.1	439.0	437.2	434.8	430.7	428.3	422.9	417.1	411.1	406.5	401.9	396.7	390.1	383.1
9	462.1	433.7	405.7	381.5	354.7	333.4	310.7	289.9	269.4	251.1	234.6	217.6	202.0	187.7
10	245.9	263.4	283.9	306.9	328.2	352.2	377.8	403.9	430.9	459.3	489.2	520.5	550.2	582.0
11	352.5	350.6	349.8	349.9	346.9	346.6	343.9	340.2	337.4	331.7	327.7	325.3	323.4	318.0
12	394.8	395.6	397.7	399.6	398.3	397.7	391.1	389.1	386.2	381.9	376.5	374.4	375.3	371.1
13	343.9	341.7	339.7	337.3	333.5	331.1	330.1	329.4	330.3	330.1	329.6	327.9	320.9	318.6
14	389.3	384.8	385.0	385.9	383.5	380.2	379.2	379.9	374.4	370.7	366.1	367.1	365.2	364.9
15	333.9	331.0	329.4	327.4	322.8	320.8	317.8	316.9	312.2	309.3	306.2	303.2	301.3	298.4
16	367.7	366.0	365.7	363.4	361.9	358.6	356.9	354.0	351.3	349.5	347.9	345.2	342.0	338.0
17	476.9	447.1	421.3	394.1	367.8	343.9	318.9	296.7	273.2	256.9	245.9	225.0	208.3	190.3
19	283.5	282.1	280.5	276.7	273.0	275.5	275.7	279.2	283.2	280.5	282.3	279.5	278.0	278.2
20	306.4	305.6	306.1	307.3	307.4	310.4	310.6	309.6	308.9	308.8	309.4	311.1	305.0	301.8
21	265.9	267.7	268.7	269.7	267.7	270.4	272.5	274.0	271.7	268.1	268.5	265.6	260.8	257.5
22	293.5	290.6	290.7	291.8	290.8	293.5	295.0	297.7	298.8	297.3	296.6	297.9	295.7	293.2
23	225.5	226.6	228.6	229.7	229.2	230.9	229.9	232.2	230.0	228.8	229.3	229.2	228.8	230.9
24	262.1	262.9	261.9	262.4	261.9	260.9	260.3	259.1	256.4	256.8	256.1	256.9	258.5	259.4
25	217.7	218.2	218.8	219.7	218.2	219.5	218.6	218.1	218.0	215.7	213.8	211.9	212.0	210.8
26	243.4	241.8	242.2	242.3	242.3	241.0	240.6	241.1	238.2	238.8	238.7	238.3	236.8	236.8
43	333.7	333.4	337.6	342.6	348.7	353.6	356.6	359.4	362.1	365.3	363.0	364.3	364.0	357.9
44	379.8	386.9	391.8	399.4	407.5	414.8	421.3	426.0	428.5	432.1	431.7	430.9	428.6	428.8
67	204.4	207.4	210.5	212.8	215.6	218.6	219.6	219.9	220.5	215.8	215.6	215.8	214.0	216.3
68	229.1	232.4	234.0	238.3	239.6	242.4	243.7	244.6	245.3	246.3	246.4	247.1	247.1	251.3
85	407.3	409.7	412.1	414.0	413.7	412.7	411.5	409.0	407.2	402.8	396.7	390.9	383.7	375.9
86	472.5	473.8	478.8	480.5	479.9	480.2	480.1	476.2	471.7	470.2	465.1	459.1	451.3	445.7
87	325.4	343.9	364.4	384.4	402.8	423.8	441.2	460.7	479.7	498.1	514.1	532.8	549.3	565.1
88	355.0	373.1	395.2	416.9	440.4	460.2	481.4	501.9	521.0	543.6	563.0	585.0	604.5	624.5
89	189.4	199.9	214.8	229.0	245.2	260.6	279.5	300.3	320.6	344.8	366.8	393.5	416.9	443.9
90	184.7	197.4	213.0	227.7	242.9	261.2	283.0	302.1	322.8	347.8	371.8	395.7	421.8	448.0
91	185.0	195.6	210.4	226.6	241.3	259.2	279.1	298.6	320.6	344.7	369.4	397.0	425.3	452.5
921	494.3	463.5	438.2	410.4	383.4	358.8	334.9	311.6	290.4	269.4	250.2	231.0	214.4	198.8

Table XXXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 466 Pi	R: 467 Pi	R: 468 Pi	R: 469 Pi	R: 470 Pi	R: 471 Pi	R: 472 Pi	R: 473 Pi	R: 480 Pi	R: 475 Pi	R: 476 Pi	R: 477 Pi	R: 478 Pi	R: 479 Pi
922	329.4	352.5	379.0	404.2	430.8	460.0	489.7	516.5	548.3	581.9	615.2	648.5	682.0	711.5
93	238.5	259.5	278.4	300.0	322.5	346.3	371.2	399.2	421.4	451.5	480.6	510.5	540.0	570.3
94	323.0	348.0	372.7	400.7	427.8	455.7	485.1	516.1	547.8	582.9	613.0	643.5	675.3	706.0
95	190.1	202.2	219.3	235.8	251.5	271.6	291.8	312.7	335.4	360.4	390.4	416.0	442.3	474.9
125	239.9	243.9	250.5	250.2	250.5	249.7	246.2	241.3	235.7	231.6	225.3	221.1	216.9	215.0
126	280.8	284.3	285.5	284.3	282.7	280.2	277.9	271.7	267.1	262.9	256.9	254.7	251.1	251.3
128	514.4	474.4	428.4	387.3	354.6	319.5	296.6	279.9	272.7	251.2	229.1	221.6	209.1	196.1
132	174.3	182.5	190.9	201.6	210.9	222.0	236.0	250.8	265.8	286.2	305.5	328.1	351.1	374.9
201	902.8	874.0	851.3	822.3	793.1	763.8	732.7	698.9	665.8	635.3	602.3	569.2	536.7	500.7
202	980.1	963.8	951.8	936.6	915.5	897.1	875.1	850.8	824.4	797.7	771.6	742.9	714.4	683.5
203	1006.2	999.2	1000.5	996.2	987.5	978.4	967.1	949.5	931.2	912.8	890.8	864.2	839.6	812.1
204	965.4	972.8	987.6	994.6	1000.5	1004.3	1005.3	1001.6	996.0	989.0	977.9	964.7	947.7	928.2
205	863.0	882.6	909.2	930.3	947.1	964.9	979.2	988.6	994.7	1002.6	1006.1	1004.9	1005.0	999.5
206	733.8	763.2	796.3	827.3	852.3	878.3	901.3	923.0	938.4	958.7	974.7	987.9	999.5	1003.9
207	632.5	662.5	694.4	726.0	756.6	783.8	814.6	838.7	861.0	887.3	911.9	933.2	950.6	967.3
208	566.5	593.3	624.5	653.2	681.2	712.7	743.0	770.0	795.8	824.7	851.2	877.7	902.3	922.6
209	756.4	759.1	765.6	767.3	766.6	766.2	762.3	755.3	746.1	739.4	724.9	711.4	696.5	678.7
210	845.2	850.5	859.5	864.5	866.9	868.5	865.7	862.6	853.7	845.5	833.1	820.5	804.9	787.0
211	925.3	932.6	944.7	952.4	957.9	960.9	960.5	957.6	950.1	944.6	929.4	918.2	902.9	886.6
212	955.5	964.9	974.5	982.6	988.3	989.0	991.4	988.2	979.9	976.1	964.7	950.7	934.9	915.0
213	902.8	908.8	917.6	920.9	922.7	923.9	924.7	919.9	912.4	906.5	896.1	882.0	866.7	846.2
214	820.2	823.9	828.2	830.7	830.0	828.2	826.3	817.7	810.2	804.6	792.1	780.9	766.0	746.3
215	479.8	448.9	423.7	396.7	372.3	349.5	326.5	303.6	282.3	263.9	244.2	227.0	210.8	195.7
216	396.8	401.4	408.3	411.5	416.5	417.6	420.8	422.2	420.7	419.9	415.0	413.2	408.1	404.0
217														
218	326.1	348.2	373.5	399.7	427.5	455.9	482.2	511.8	542.7	575.6	607.7	640.0	668.2	701.1
219	258.7	262.3	266.5	268.9	271.6	274.8	275.4	274.3	273.2	270.9	267.7	267.9	264.8	261.9
220	280.8	282.3	285.5	288.4	290.3	293.3	296.8	294.8	295.0	295.2	294.2	294.9	294.8	294.5
221	209.3	210.7	215.1	216.2	217.0	218.3	219.3	216.9	218.0	217.9	217.4	217.8	215.5	211.4
222	233.8	233.7	235.4	237.4	238.0	238.3	241.0	241.5	240.8	240.8	239.9	241.4	242.0	241.1
223	202.6	204.4	206.7	208.8	211.2	212.7	215.5	214.5	213.3	213.2	209.9	208.8	207.9	208.1
224	223.3	223.8	227.8	229.8	233.8	235.7	236.8	236.6	236.1	237.1	238.1	237.6	240.3	239.6
225	395.7	368.6	345.5	324.0	303.8	284.5	267.5	249.6	235.2	220.2	204.4	192.6	183.1	171.8
226	629.6	597.2	569.1	538.1	510.0	484.0	461.9	434.3	410.4	383.9	357.4	334.1	308.2	287.4
227	703.9	671.8	643.4	612.7	581.3	548.5	515.8	482.9	455.3	427.6	396.8	374.0	347.3	322.8
228	792.5	760.4	730.8	696.7	661.9	625.7	592.2	554.8	516.0	476.5	441.2	412.3	383.2	356.2

Table XXXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 466 Pi	R: 467 Pi	R: 468 Pi	R: 469 Pi	R: 470 Pi	R: 471 Pi	R: 472 Pi	R: 473 Pi	R: 480 Pi	R: 475 Pi	R: 476 Pi	R: 477 Pi	R: 478 Pi	R: 479 Pi
229	414.7	443.8	475.5	506.3	536.6	567.5	598.7	626.4	655.1	687.3	719.4	750.2	780.1	810.2
230	201.7	217.3	232.3	249.9	268.1	288.4	311.4	332.3	355.6	381.0	405.5	433.0	462.9	493.1
231	533.8	534.4	534.9	532.2	527.7	526.1	522.1	516.3	510.9	504.2	494.8	486.4	475.2	466.3
232	684.1	685.2	689.1	687.3	685.2	681.4	677.3	668.3	659.5	650.9	639.0	625.6	610.6	596.3
233	735.6	736.2	738.0	738.6	735.3	731.3	727.4	718.5	709.4	702.2	690.7	680.1	665.7	649.7
234	600.1	599.7	598.5	596.2	592.6	590.7	586.0	578.7	571.9	566.2	554.3	548.3	537.2	525.5
235	252.6	260.8	268.9	275.0	279.8	287.7	290.8	291.6	291.2	290.2	290.6	288.4	286.8	283.3
236	224.0	238.4	250.2	264.3	280.3	291.0	305.4	318.9	327.4	336.9	349.1	357.8	363.0	371.4
237	202.8	213.2	229.8	245.5	261.0	276.6	296.0	312.6	330.3	355.5	383.3	407.6	436.0	459.7
238	196.4	204.1	221.3	238.6	255.6	275.3	295.1	314.5	335.3	359.3	388.1	414.4	444.5	474.0
239	192.1	203.8	219.1	235.0	252.4	272.7	292.2	309.7	332.3	358.8	386.5	415.3	441.8	470.8
240	166.7	175.2	184.5	194.9	207.2	228.1	244.0	258.7	276.3	294.7	315.2	334.3	359.1	385.9
241	172.0	184.3	200.5	213.8	225.8	235.5	245.1	252.8	262.4	273.1	280.9	291.4	303.7	310.2
242	125.0	113.9	106.4	96.0	89.2	84.3	78.8	72.6	69.4	66.5	62.5	60.5	59.2	56.0
243	205.7	192.5	182.5	170.7	160.6	153.1	145.2	135.7	127.9	120.6	113.9	107.6	102.4	96.1
244	379.1	352.5	330.0	310.3	290.6	274.0	257.6	240.0	227.0	215.4	204.0	194.9	187.5	179.7
245	387.8	362.4	339.0	315.8	295.0	276.9	259.3	241.7	228.8	214.8	202.0	192.6	183.4	175.6
246	295.5	281.7	267.1	258.2	263.5	273.2	277.0	274.8	275.0	272.9	269.4	273.6	275.2	272.5
247	251.0	254.1	263.7	271.9	274.0	273.7	272.1	273.4	271.1	268.1	261.9	255.9	246.9	231.8
248	233.5	233.4	233.8	233.9	231.8	231.8	230.2	228.4	223.6	220.1	217.3	213.8	210.6	204.7
249	264.7	264.2	262.9	262.5	259.1	258.8	255.8	252.9	247.3	243.4	242.5	239.4	233.0	228.9
250	171.6	198.0	219.7	230.5	235.4	236.4	228.7	220.4	211.0	199.7	185.2	177.2	162.6	150.5
251	155.1	157.4	161.0	160.1	154.7	151.3	149.4	149.8	150.2	148.6	147.8	147.3	146.9	149.8
252	436.2	462.7	493.8	525.5	557.2	589.7	621.5	652.0	679.5	714.0	746.5	776.7	806.7	834.5

Table XXXIX: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 481	R: 482	R: 483	R: 484	R: 485	R: 486	R: 487	R: 494	R: 489	R: 490	R: 491	R: 492	R: 493	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	323.2	345.9	368.1	393.9	419.9	446.6	474.9	504.3	533.6	564.1	596.7	627.6	657.5	
3	334.4	339.6	342.0	345.7	348.6	348.5	349.0	345.8	342.7	337.9	331.5	325.8	318.4	
4	480.7	485.6	492.0	497.0	499.7	503.8	504.7	505.2	507.0	503.7	501.9	500.9	497.9	
5	335.8	338.6	338.0	338.0	338.6	336.1	334.2	332.9	328.4	322.2	318.1	310.5	303.7	
6	487.4	487.3	487.4	486.4	486.0	483.5	480.7	479.4	475.3	471.0	467.2	462.7	459.1	
7	340.5	341.3	338.0	335.4	331.7	328.0	322.7	318.8	315.8	307.5	301.3	295.1	289.8	
8	496.0	492.1	488.9	483.6	479.9	475.3	467.5	465.0	458.1	453.8	448.6	443.5	436.3	
9	431.7	402.9	376.2	351.3	327.6	305.4	286.0	265.6	250.0	232.0	216.5	201.7	187.7	
10	267.1	287.1	308.6	330.1	352.9	379.3	404.2	434.1	460.4	488.4	518.3	550.3	582.8	
11	306.3	307.0	307.7	305.8	303.1	301.1	298.4	296.0	290.7	283.9	277.0	273.4	273.1	
12	450.0	452.2	453.6	455.5	452.9	446.8	444.0	439.0	439.2	435.2	433.2	436.5	433.8	
13	295.1	294.2	292.7	292.2	290.4	288.7	288.7	288.1	286.7	284.9	282.4	278.6	275.6	
14	442.4	441.5	440.0	438.2	435.4	432.4	427.9	423.8	424.0	424.5	422.8	424.0	424.0	
15	287.6	287.8	287.0	284.2	282.1	279.5	277.1	273.2	268.2	265.2	262.5	260.3	257.6	
16	420.5	418.0	415.6	413.2	411.2	408.2	407.2	405.7	402.8	398.4	394.9	394.2	392.2	
17	439.4	410.8	386.6	361.5	338.1	313.5	293.2	274.6	257.1	239.8	223.1	207.4	193.0	
19	243.6	245.1	245.3	244.1	243.4	244.2	243.4	241.6	240.2	238.3	235.1	231.8	230.1	
20	353.1	352.0	353.8	353.5	354.5	355.7	355.7	355.4	356.9	359.1	359.6	355.8	351.1	
21	227.0	228.5	231.4	230.9	231.1	231.9	232.5	230.3	227.5	225.9	222.3	218.7	216.4	
22	337.9	335.6	336.3	336.2	337.2	340.0	343.4	346.2	348.9	348.2	348.7	345.0	342.8	
23	193.5	197.1	199.4	200.0	198.8	197.8	201.3	197.4	194.5	193.5	192.2	190.9	191.5	
24	301.9	301.3	302.2	301.1	301.5	300.1	299.3	298.0	298.1	296.1	294.7	297.8	298.4	
25	189.5	190.4	190.6	191.5	191.3	190.0	189.1	186.5	185.0	182.2	179.8	178.5	176.1	
26	279.4	278.8	277.6	276.9	276.0	275.6	275.3	274.4	275.1	274.6	274.2	275.1	276.8	
43	294.6	298.9	304.6	309.6	313.0	316.1	316.6	316.5	317.0	313.5	309.4	306.3	301.6	
44	437.1	445.0	456.0	463.5	471.2	481.5	485.6	494.0	498.6	504.1	506.1	508.5	508.8	
67	181.7	184.9	186.2	188.1	188.5	187.6	187.0	185.9	184.6	182.5	182.0	179.3	177.4	
68	265.5	268.3	270.7	273.6	277.3	279.0	280.6	282.8	285.1	285.5	285.9	287.3	291.2	
85	369.7	372.2	373.9	373.8	373.8	371.8	367.8	366.1	358.5	351.8	343.8	336.0	326.5	
86	531.9	534.9	536.5	536.9	537.0	535.3	534.9	530.7	529.1	522.2	517.9	513.2	506.3	
87	324.0	342.6	359.9	378.7	396.7	411.9	429.9	446.7	464.1	481.7	493.4	507.4	522.6	
88	400.2	423.1	446.2	468.4	491.5	515.8	536.2	557.4	581.6	602.8	626.7	647.4	669.0	
89	195.0	206.2	219.9	235.3	251.7	269.0	289.9	312.3	333.0	355.5	380.7	401.5	428.2	
90	200.8	216.2	233.4	251.6	270.8	291.1	311.8	334.3	358.9	383.8	410.3	436.9	467.2	
91	200.3	213.1	227.7	242.8	260.7	280.8	301.7	324.0	345.8	370.4	395.6	423.0	449.6	
921	461.6	432.1	403.0	379.0	354.8	330.8	307.0	286.4	266.2	251.0	233.2	216.5	202.3	

Table XXXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 481 Pi	R: 482 Pi	R: 483 Pi	R: 484 Pi	R: 485 Pi	R: 486 Pi	R: 487 Pi	R: 494 Pi	R: 489 Pi	R: 490 Pi	R: 491 Pi	R: 492 Pi	R: 493 Pi
922	354.4	376.8	405.0	430.0	457.8	484.2	516.7	547.3	579.2	611.4	643.7	677.0	709.8
93	262.8	281.4	302.6	325.5	348.0	372.5	397.8	428.1	455.5	481.3	508.5	539.2	569.7
94	349.7	375.2	403.3	431.6	460.2	491.1	523.3	553.4	584.1	614.3	645.3	677.8	708.6
95	207.3	222.2	239.0	256.4	276.1	295.3	316.2	339.9	363.6	389.9	417.7	445.9	476.2
125	203.7	206.8	210.6	211.8	212.0	209.5	207.3	203.1	198.7	195.2	190.6	186.1	179.9
126	331.8	330.2	329.3	325.3	323.2	318.3	312.2	306.4	300.4	295.8	292.8	290.5	288.7
128	434.5	389.3	356.1	326.6	309.0	286.9	276.9	267.0	261.4	258.3	250.9	230.2	203.0
132	178.7	185.2	193.6	208.8	220.0	231.1	245.9	264.4	282.4	305.6	325.7	346.7	374.5
201	864.4	837.1	808.3	781.0	750.6	719.5	686.1	655.2	624.5	591.6	558.4	524.2	490.0
202	955.0	939.1	923.6	904.2	882.7	863.6	837.1	810.3	787.0	761.4	730.5	699.0	670.4
203	993.5	990.9	985.1	977.1	967.2	955.2	935.1	918.5	898.5	879.6	854.4	825.4	796.4
204	966.4	978.4	986.0	991.2	993.6	996.1	990.6	983.1	975.8	966.9	953.1	933.2	912.8
205	877.4	899.4	920.5	938.4	955.1	971.0	978.0	986.3	992.0	994.5	995.2	990.9	982.5
206	758.6	789.5	815.2	842.6	869.3	894.2	912.5	931.4	948.8	963.8	976.9	983.9	990.2
207	659.8	688.5	718.8	748.5	777.6	807.3	830.6	857.3	880.2	904.8	924.5	940.5	955.5
208	590.4	619.5	646.1	677.4	706.4	735.8	761.9	789.1	817.5	847.3	869.5	891.1	912.5
209	700.9	702.6	702.4	700.8	700.7	695.1	691.0	683.7	671.1	661.5	651.2	639.7	624.1
210	800.2	807.4	810.8	810.4	811.6	809.9	806.1	799.4	787.8	778.1	766.9	754.6	736.0
211	901.3	910.7	916.4	920.5	922.1	923.8	919.1	914.2	906.0	895.1	884.0	868.2	846.6
212	981.8	991.0	999.2	1003.4	1005.5	1007.2	1000.1	994.6	987.2	975.1	962.3	942.9	922.3
213	947.7	955.5	958.2	962.8	964.0	963.0	955.0	948.9	938.7	927.2	913.1	895.8	878.9
214	875.9	881.5	884.4	882.7	881.1	879.4	870.7	861.2	851.2	841.9	828.8	813.1	796.0
215	443.8	416.3	389.2	366.0	342.3	318.9	297.1	277.3	260.3	242.4	225.7	210.7	196.6
216	361.7	369.7	374.0	376.4	379.2	379.1	378.0	376.6	373.9	369.0	365.0	359.9	354.5
217													
218	345.7	371.8	395.2	421.2	448.1	476.3	507.3	537.7	567.4	599.0	629.6	662.4	691.3
219	225.2	229.2	231.6	231.1	232.2	232.1	230.5	229.5	227.3	225.3	223.2	218.6	215.1
220	324.5	327.7	330.2	335.0	336.1	342.2	343.3	344.0	345.0	344.6	342.7	343.5	342.9
221	186.1	189.4	192.1	192.5	191.8	191.1	190.5	189.1	186.6	183.9	180.4	178.7	177.4
222	271.0	272.3	273.1	274.5	273.8	276.7	277.7	277.6	278.3	279.1	280.3	281.9	283.1
223	180.5	183.8	185.8	187.0	187.2	185.2	183.5	181.1	177.3	174.8	172.4	166.3	137.4
224	258.4	261.6	263.9	268.1	269.5	271.4	272.5	272.2	274.8	277.4	278.1	279.7	281.5
225	369.2	346.0	323.6	304.1	283.6	265.0	248.1	232.5	217.0	203.4	190.5	179.6	169.8
226	593.6	562.5	533.3	503.9	478.0	449.8	426.6	401.4	375.2	351.2	326.3	305.3	283.3
227	667.0	634.4	603.3	572.7	540.1	507.4	476.5	450.1	422.2	396.5	369.0	344.5	317.8
228	753.4	719.9	686.6	654.5	620.5	583.1	547.1	506.2	469.9	436.1	406.5	381.0	356.4

Table XXXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 481 Pi	R: 482 Pi	R: 483 Pi	R: 484 Pi	R: 485 Pi	R: 486 Pi	R: 487 Pi	R: 494 Pi	R: 489 Pi	R: 490 Pi	R: 491 Pi	R: 492 Pi	R: 493 Pi
229	446.6	473.5	504.5	534.9	562.3	591.7	622.8	653.0	683.6	714.7	745.2	774.3	805.0
230	217.9	233.8	250.4	269.3	289.5	311.3	334.1	358.4	382.0	407.8	433.7	464.3	494.5
231	480.5	474.6	471.4	470.9	467.6	461.1	460.6	455.5	448.8	445.3	436.9	429.7	418.8
232	630.4	626.7	625.5	621.8	617.5	612.2	607.6	597.5	589.0	578.6	569.4	559.4	545.7
233	791.4	795.0	794.5	791.7	789.3	784.4	777.5	768.7	755.9	746.8	733.0	719.0	704.4
234	662.3	660.0	659.1	654.5	649.7	646.6	638.6	634.0	623.6	615.2	604.9	594.1	584.1
235	225.3	231.6	237.1	239.6	240.9	240.7	239.7	237.6	236.9	236.4	230.7	221.2	217.1
236	215.1	227.6	238.1	248.6	258.2	265.7	274.5	283.4	289.9	292.0	303.3	316.9	330.1
237	206.2	217.8	232.0	246.9	262.9	282.0	301.5	320.9	342.5	365.3	388.4	412.5	431.4
238	205.2	219.1	234.2	251.8	269.7	287.7	308.1	329.0	351.7	376.5	401.9	428.3	456.4
239	202.9	218.6	234.4	251.7	269.7	290.1	310.4	333.9	357.8	383.5	411.2	438.2	469.6
240	170.7	181.3	191.5	203.8	216.4	232.0	249.7	269.2	287.7	308.5	327.0	356.9	381.1
241	181.1	191.6	198.2	204.6	211.0	214.9	220.6	223.6	229.7	234.7	245.0	253.0	262.3
242	91.1	85.2	78.0	72.3	67.5	62.7	59.5	56.2	54.2	52.2	51.4	51.6	53.3
243	201.5	190.5	179.5	168.9	158.1	148.4	138.9	129.9	122.8	116.0	108.8	102.7	94.8
244	349.3	327.8	307.4	288.6	269.9	253.4	237.7	223.3	211.1	199.4	189.1	180.6	171.3
245	356.4	335.1	313.2	292.5	273.7	255.7	240.1	224.8	210.8	198.9	187.4	178.0	169.6
246	255.2	245.6	232.4	230.0	237.1	238.4	239.0	238.8	238.8	236.9	233.7	230.6	227.5
247	221.3	226.4	230.4	230.3	229.8	228.1	226.7	221.5	217.7	211.6	199.8	185.4	171.9
248	200.3	201.5	202.2	201.3	201.2	199.3	196.7	193.9	190.7	185.8	181.5	176.7	173.5
249	303.2	300.8	298.8	295.4	294.1	291.5	286.7	281.2	278.1	277.0	274.4	268.0	265.2
250	135.9	162.3	183.9	200.6	208.4	212.1	210.6	203.4	193.9	182.2	163.9	148.2	134.5
251	143.4	145.5	147.9	145.1	138.3	134.3	133.0	131.7	129.6	128.1	125.4	123.8	125.5
252	466.2	492.6	523.2	553.3	585.6	616.3	648.0	677.5	709.6	740.9	771.9	798.9	826.5

Table XI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 495	R: 496	R: 497	R: 498	R: 499	R: 500	R: 508	R: 502	R: 503	R: 504	R: 505	R: 506	R: 507	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	448.4	452.8	452.4	452.5	451.4	451.9	453.3	452.4	451.3	449.3	448.1	447.0	448.0	
3	503.7	473.2	457.2	438.7	426.1	420.9	415.3	407.9	399.6	386.7	376.1	364.0	350.4	
4	344.2	369.5	379.9	391.0	405.4	414.2	425.1	429.6	435.0	446.8	458.9	476.6	503.0	
5	491.0	460.6	444.4	426.5	412.9	408.4	402.0	394.4	387.3	374.8	362.9	352.5	337.6	
6	331.1	355.8	364.3	373.8	386.5	393.0	403.5	409.4	417.1	429.7	443.0	456.7	482.9	
7	478.7	447.1	432.0	413.5	401.0	396.1	391.6	383.5	376.7	362.8	352.0	341.5	327.3	
8	322.6	347.6	356.8	366.1	379.7	387.1	395.6	401.5	407.7	420.5	435.1	449.3	474.5	
9	307.8	311.9	309.1	309.0	308.7	308.6	310.0	309.4	309.8	308.2	307.3	305.4	305.0	
10	376.7	379.9	377.6	377.7	378.2	379.8	381.4	380.8	379.6	377.6	375.2	376.5	378.2	
11	460.8	428.6	407.2	391.9	379.7	371.9	364.6	360.8	352.1	340.9	330.4	320.0	301.6	
12	290.8	315.3	327.0	338.3	346.1	341.3	344.8	351.6	371.4	390.3	403.2	417.1	447.0	
13	444.5	412.3	391.2	377.1	365.7	357.7	350.5	346.9	339.2	328.7	318.3	306.5	289.6	
14	280.0	303.6	314.2	327.0	335.6	342.6	349.9	357.2	363.1	378.4	389.0	402.9	428.1	
15	423.6	394.0	373.7	360.3	349.9	342.3	335.4	333.4	326.4	316.8	305.3	294.1	280.5	
16	263.8	286.3	297.8	307.6	315.8	320.5	329.1	334.2	342.2	355.6	365.7	380.4	408.1	
17	312.1	316.8	315.8	315.6	316.0	315.5	318.1	319.1	316.6	317.8	314.3	312.4	315.0	
19	366.1	337.8	325.3	312.1	301.3	294.5	289.4	288.8	283.3	273.8	273.6	264.3	244.0	
20	238.8	253.3	261.7	269.4	277.9	284.2	289.3	293.3	297.4	309.1	320.7	333.8	355.1	
21	341.5	319.0	305.4	294.6	285.8	281.4	279.8	273.0	269.2	273.8	258.8	249.4	232.1	
22	229.6	242.0	247.9	256.3	266.9	271.3	276.2	280.0	285.5	294.4	303.6	314.9	338.0	
23	294.0	271.8	262.7	255.4	245.6	241.5	249.7	247.4	241.4	230.9	222.8	213.1	198.6	
24	206.6	220.1	224.8	226.1	235.7	238.2	243.4	246.9	251.3	259.3	268.6	276.8	298.7	
25	276.8	259.5	250.3	240.9	243.1	240.1	234.9	229.8	227.1	220.4	210.2	203.6	190.3	
26	191.5	203.3	208.6	215.8	217.7	219.2	223.4	228.2	231.4	240.3	248.1	256.6	275.2	
43	483.8	449.6	425.5	408.6	396.4	388.0	381.0	373.8	369.7	355.5	345.1	330.7	317.1	
44	302.2	328.9	341.8	356.2	369.7	376.9	385.8	394.4	401.9	420.1	432.0	449.1	479.1	
67	278.5	258.7	249.9	240.1	243.9	239.2	234.2	230.5	226.4	219.8	211.4	202.5	188.0	
68	192.9	205.7	212.0	218.4	219.9	222.3	227.3	232.2	234.2	242.5	252.2	260.5	278.3	
85	530.9	504.8	487.1	467.4	452.8	445.0	439.6	433.9	424.6	410.6	396.3	387.8	371.7	
86	368.9	395.3	406.8	418.0	434.3	442.1	450.4	457.9	464.4	477.7	491.8	509.0	532.6	
87	515.3	501.2	489.8	476.3	468.6	464.8	461.5	456.4	450.4	441.1	429.3	422.6	413.7	
88	408.0	427.6	435.6	444.6	454.3	460.2	466.1	471.5	474.5	482.0	489.1	499.6	513.5	
89	290.3	283.2	279.4	278.6	278.0	276.5	277.5	277.3	277.1	275.6	278.3	274.4	270.3	
90	269.3	271.1	270.9	272.6	273.8	275.7	277.5	277.8	277.9	280.7	283.7	285.8	290.7	
91	275.1	275.4	273.7	272.7	274.9	275.1	275.5	275.3	275.3	277.1	278.0	279.7	279.6	
921	331.1	334.3	332.5	331.6	332.7	331.8	333.3	333.7	332.7	332.8	330.5	330.4	329.3	

Table XI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 495	R: 496	R: 497	R: 498	R: 499	R: 500	R: 508	R: 502	R: 503	R: 504	R: 505	R: 506	R: 507
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	483.1	487.7	484.7	487.4	486.7	487.6	488.6	488.5	488.5	485.7	487.4	484.3	487.9
93	369.4	371.2	369.9	371.0	372.1	372.4	373.7	374.0	372.7	372.0	369.1	370.0	372.2
94	472.0	480.0	478.3	480.6	483.7	485.3	485.4	485.7	485.0	486.2	484.9	484.0	489.3
95	287.3	289.4	287.8	289.8	288.4	288.3	290.3	289.7	290.3	290.6	291.2	291.5	297.0
125	309.6	287.4	274.1	267.2	258.8	255.2	251.4	250.2	255.9	247.0	235.6	228.6	210.0
126	218.9	233.7	235.5	242.9	250.9	254.5	259.2	262.3	266.9	276.7	282.4	293.9	316.8
128	313.0	260.1	266.5	279.2	268.8	263.9	261.8	263.5	269.2	295.6	287.8	269.5	284.9
132	233.6	236.8	238.1	240.1	239.7	239.1	238.3	237.0	237.0	236.1	237.3	235.3	231.9
201	724.1	729.4	730.3	730.6	731.3	729.5	732.0	732.6	732.6	730.2	725.5	720.6	718.1
202	865.4	870.1	872.2	873.4	874.5	872.8	876.7	877.8	876.3	874.3	867.4	863.2	859.4
203	954.9	961.5	963.4	966.1	966.3	965.6	967.7	971.1	969.2	966.1	959.7	956.8	951.3
204	996.0	1002.6	1003.8	1007.0	1008.1	1006.4	1008.3	1011.8	1010.7	1005.5	999.0	997.3	992.0
205	968.7	977.1	977.0	982.2	981.8	980.0	983.8	984.5	983.8	979.4	973.6	971.2	966.4
206	892.3	900.6	901.0	904.7	904.3	903.9	906.6	907.8	905.0	901.5	897.8	894.4	890.8
207	802.8	810.5	811.7	814.6	814.7	813.8	816.3	817.0	816.6	812.1	810.1	807.8	802.5
208	732.4	739.7	739.6	742.9	742.7	743.3	745.0	745.9	744.2	740.5	738.5	735.6	733.3
209	867.5	849.3	836.0	819.0	804.3	798.1	791.6	783.0	775.1	761.2	743.9	724.8	696.8
210	947.4	935.8	923.5	913.4	901.8	895.2	892.9	885.3	879.7	866.1	849.8	835.1	810.1
211	999.7	995.4	988.5	987.2	981.2	977.6	977.6	974.0	969.1	960.5	948.7	939.7	922.4
212	932.4	950.9	958.7	968.0	974.4	976.0	982.6	987.4	990.5	991.4	991.7	995.1	1003.3
213	828.2	852.2	866.6	879.6	892.1	898.3	904.3	910.8	918.9	923.6	929.7	939.3	959.0
214	700.6	733.2	747.4	763.6	780.7	788.9	797.8	805.8	813.3	824.9	833.4	850.8	876.2
215	327.1	329.6	325.3	323.4	323.8	323.4	324.3	324.8	324.5	323.8	322.2	320.4	318.5
216	538.5	511.2	493.2	473.6	459.9	452.8	447.8	441.8	433.2	418.3	404.4	394.2	379.0
217													
218	490.3	492.0	490.4	488.9	487.6	486.4	487.5	487.9	485.8	482.9	480.0	476.7	477.5
219	347.3	325.4	310.1	297.8	291.1	285.9	282.2	276.4	272.8	274.4	261.7	251.1	232.1
220	227.8	242.4	246.9	255.3	265.8	271.4	275.2	280.4	286.5	295.3	305.0	317.2	342.1
221	277.2	261.9	249.4	253.3	241.9	238.1	234.8	230.9	227.7	219.9	210.5	203.4	191.3
222	190.8	204.7	207.5	214.6	222.3	223.7	225.0	226.2	230.2	240.0	248.5	258.3	276.7
223	272.4	256.9	253.3	245.4	236.5	233.2	228.9	228.5	221.6	214.1	205.8	196.4	185.6
224	185.6	200.4	203.4	209.3	217.1	219.9	221.7	223.7	224.5	235.3	243.1	251.8	271.3
225	258.2	264.6	261.9	264.0	263.4	263.2	265.3	264.9	266.2	265.2	263.4	262.5	265.6
226	451.0	455.5	454.6	457.2	455.7	456.1	458.1	458.7	457.5	456.0	457.2	454.3	452.9
227	506.6	512.5	511.3	513.3	511.8	511.9	513.7	514.1	513.0	511.0	510.4	506.7	506.6
228	582.2	589.0	588.1	590.8	589.3	589.1	591.5	591.7	591.2	589.4	586.7	583.7	583.0

Table XI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orientation ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 495 P1	R: 496 P1	R: 497 P1	R: 498 P1	R: 499 P1	R: 500 P1	R: 508 P1	R: 502 P1	R: 503 P1	R: 504 P1	R: 505 P1	R: 506 P1	R: 507 P1
229	592.2	596.6	596.0	598.0	597.8	597.5	599.7	599.6	598.0	595.3	594.9	592.7	595.8
230	309.4	310.3	308.7	306.8	309.7	308.2	308.0	308.0	308.3	308.4	308.2	308.1	310.5
231	647.5	622.5	603.0	585.3	566.1	559.0	551.9	543.2	535.8	516.8	501.6	486.4	463.5
232	790.2	768.7	754.3	735.2	719.2	712.3	707.4	697.9	690.8	677.4	657.6	643.2	613.8
233	603.2	634.4	645.5	661.3	679.6	688.3	697.6	703.1	711.3	724.1	737.8	752.4	781.2
234	460.5	491.9	503.1	518.3	537.7	545.1	555.9	560.7	568.6	584.2	598.7	613.4	644.7
235	364.8	344.8	328.5	319.2	306.3	305.0	299.7	295.2	290.1	281.3	279.0	264.3	241.3
236	360.6	345.1	330.6	322.6	314.7	312.2	310.7	305.7	304.2	295.6	294.1	285.2	266.0
237	316.4	315.1	307.1	302.7	301.1	299.7	299.0	296.9	294.7	292.4	290.5	289.5	281.4
238	304.4	304.2	299.3	295.1	294.4	293.7	295.5	293.6	293.9	293.2	289.8	295.5	289.1
239	289.8	291.5	288.8	288.3	288.4	287.8	289.3	289.5	289.6	288.9	287.4	288.4	289.5
240	233.9	231.7	233.0	239.7	240.5	240.4	241.8	241.9	242.8	240.7	233.2	232.2	231.9
241	279.0	275.2	265.2	266.2	262.5	260.3	256.9	252.1	250.8	244.1	239.8	228.9	215.9
242	63.8	68.6	69.9	76.0	78.4	79.4	81.0	81.9	81.6	77.9	71.6	65.7	63.1
243	149.6	144.6	140.1	139.6	139.3	140.7	141.6	140.9	140.9	143.1	142.5	144.5	148.5
244	250.6	254.8	250.6	251.7	251.0	251.8	253.4	252.5	252.2	254.2	253.9	258.1	254.3
245	256.1	259.0	258.6	257.2	258.3	257.3	258.5	256.8	257.7	256.3	255.0	256.7	256.8
246	365.1	338.0	325.1	313.8	300.2	295.8	290.3	284.4	281.5	273.6	261.6	265.0	239.6
247	349.7	325.1	309.3	298.7	285.7	285.1	280.2	275.7	269.2	269.3	260.3	249.6	229.2
248	291.2	270.8	261.6	254.0	244.5	251.8	246.8	245.7	240.1	231.2	223.3	213.2	200.0
249	206.4	217.7	223.1	225.1	230.6	236.0	239.0	244.0	247.2	255.1	262.1	270.7	289.7
250	263.0	252.1	258.7	250.2	241.5	236.2	237.9	236.5	234.8	230.9	227.7	223.0	212.7
251	193.9	189.5	181.8	174.9	167.7	165.2	163.6	160.5	157.6	151.9	147.5	144.3	135.3
252	613.6	619.1	617.8	620.5	620.7	620.5	622.5	623.4	622.6	620.7	618.6	616.4	616.1

Table XII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 509 P1	R: 513 P1	R: 511 P1	R: 512 P1
2	512.3	513.1	508.9	507.1
3	446.7	417.6	385.4	342.6
4	390.8	421.7	452.7	509.9
5	428.2	399.5	367.9	328.5
6	369.0	398.6	427.5	479.3
7	408.5	381.9	352.9	313.7
8	357.9	386.4	413.2	469.0
9	268.6	267.9	267.6	266.3
10	435.5	437.4	433.2	435.0
11	388.7	357.9	332.0	292.2
12	328.7	355.5	388.2	443.3
13	380.9	352.2	325.4	284.4
14	323.1	346.5	377.1	425.5
15	361.2	332.9	308.0	270.0
16	302.3	325.1	355.8	407.1
17	271.5	272.9	269.3	273.2
19	317.3	294.5	275.1	238.5
20	269.1	290.2	312.4	360.3
21	302.4	281.2	268.4	227.4
22	259.5	281.1	301.3	348.8
23	262.5	252.5	227.8	193.5
24	223.1	239.2	259.3	302.1
25	251.9	233.1	215.2	184.3
26	213.3	222.1	240.3	277.4
43	424.2	388.0	358.5	314.2
44	357.3	392.3	430.0	497.8
67	256.2	234.3	216.4	182.8
68	217.0	227.8	247.0	285.7
85	467.4	435.9	401.0	361.1
86	411.0	446.2	477.1	535.6
87	523.9	504.8	477.5	446.2
88	483.1	508.7	526.9	561.2
89	324.1	321.5	319.9	313.2
90	316.3	321.1	325.5	337.1
91	319.0	322.8	321.4	324.5
921	288.7	288.4	286.7	288.7

Table XLI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 509 P1	R: 513 P1	R: 511 P1	R: 512 P1
922	553.1	553.4	552.7	552.5
93	427.5	429.4	426.2	426.7
94	549.8	553.9	551.9	557.9
95	336.1	335.8	336.2	341.4
125	262.0	244.0	232.7	202.2
126	233.5	250.9	269.4	309.8
128	244.7	247.0	267.1	273.8
132	275.1	272.4	268.6	264.8
201	669.4	666.2	662.3	651.2
202	828.5	825.4	820.9	809.2
203	935.7	934.2	927.9	916.7
204	1001.9	1001.6	995.1	982.7
205	1006.0	1003.6	996.8	986.5
206	952.5	950.1	941.5	934.9
207	872.1	871.1	864.3	858.0
208	805.1	805.1	798.1	792.8
209	813.8	777.1	742.5	681.4
210	908.7	879.7	850.3	795.8
211	983.7	967.6	947.8	910.7
212	960.3	973.8	982.1	994.2
213	868.2	893.8	916.2	948.9
214	749.5	783.2	814.7	867.0
215	282.4	281.7	279.7	277.3
216	481.0	450.4	415.3	370.2
217				
218	553.6	552.9	545.9	541.6
219	303.6	284.2	269.2	226.2
220	255.2	276.6	297.8	345.8
221	257.0	235.6	215.5	185.6
222	213.3	225.7	241.4	279.3
223	251.9	229.2	210.9	177.0
224	207.8	223.9	238.1	276.6
225	231.7	230.8	230.4	229.2
226	408.8	406.5	406.9	401.3
227	453.1	449.5	450.5	448.5
228	514.2	510.7	509.6	508.0

Table XII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R 509 P1	R 513 P1	R 511 P1	R 512 P1
229	664.1	663.4	660.3	658.5
230	355.9	357.4	357.1	357.7
231	578.8	540.5	506.1	457.3
232	727.6	689.8	656.5	600.0
233	646.0	681.5	712.6	770.1
234	505.3	541.6	573.9	636.5
235	333.3	304.0	286.4	235.0
236	355.4	338.3	325.9	277.2
237	348.5	339.8	330.8	323.6
238	342.7	339.7	336.3	330.5
239	336.7	335.1	334.3	334.1
240	278.0	282.0	272.8	269.3
241	298.5	279.3	260.6	221.6
242	68.0	71.8	67.4	56.0
243	126.4	125.8	126.1	129.6
244	224.3	223.7	224.6	222.0
245	228.6	225.0	224.6	224.2
246	316.4	289.8	269.4	238.6
247	305.1	284.4	266.9	219.8
248	251.2	241.9	222.1	191.6
249	219.3	232.1	248.1	283.2
250	231.1	218.2	209.6	202.5
251	179.6	164.4	149.0	130.2
252	688.8	690.4	684.6	681.3

Table XLII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 514 P1	R: 515 P1	R: 516 P1	R: 517 P1	R: 518 P1	R: 519 P1	R: 527 P1	R: 521 P1	R: 522 P1	R: 523 P1	R: 524 P1	R: 525 P1	R: 526 P1
2	317.6	320.1	320.0	319.4	320.7	320.1	321.1	321.4	320.7	319.4	318.8	319.0	323.4
3	485.7	453.1	438.9	422.6	412.2	403.2	396.4	387.9	385.2	368.3	361.3	348.2	334.6
4	327.8	349.7	361.6	375.3	386.7	391.2	401.3	408.7	413.3	427.4	440.8	454.1	478.9
5	495.9	463.7	447.7	430.3	418.4	409.6	402.0	392.6	389.7	373.8	366.3	351.4	335.3
6	326.1	351.3	362.7	375.8	388.6	394.6	403.1	412.4	417.6	430.7	445.8	458.7	487.8
7	501.4	468.5	453.2	436.6	424.9	415.9	408.8	399.8	396.2	380.4	372.0	356.3	341.4
8	333.3	357.4	370.1	383.6	396.0	401.3	410.2	418.3	424.5	438.8	454.7	467.9	494.9
9	431.4	435.4	435.7	433.3	435.0	435.6	435.4	435.1	434.1	432.6	430.4	428.4	430.7
10	264.4	265.1	264.3	263.2	262.2	264.3	262.7	263.7	263.3	263.6	264.1	265.9	268.9
11	464.3	430.9	414.4	402.2	387.8	379.9	373.8	365.2	358.8	348.1	334.8	334.7	306.0
12	294.8	319.6	331.5	342.6	354.3	361.0	365.6	373.1	380.6	396.2	407.3	421.2	449.8
13	454.5	420.4	404.8	390.8	376.2	367.4	363.1	353.5	348.3	340.6	324.8	326.3	295.6
14	285.8	309.6	321.3	332.8	343.8	350.6	356.9	363.7	371.3	386.5	397.3	412.7	442.6
15	439.4	407.5	390.6	379.1	365.6	356.9	352.5	343.7	337.6	331.0	315.9	317.5	288.6
16	271.9	295.3	306.0	317.4	327.5	332.7	337.9	346.0	352.6	367.0	376.6	392.7	420.2
17	436.3	445.7	448.7	447.9	450.3	449.7	451.0	450.6	448.2	446.3	444.7	442.3	439.7
19	364.8	340.2	328.5	313.6	302.8	297.9	296.2	292.8	286.9	283.5	277.2	262.1	243.2
20	237.7	249.0	258.4	267.4	276.3	282.7	287.4	290.2	295.4	304.9	319.3	331.8	351.9
21	341.8	317.4	307.7	295.9	288.4	284.9	277.1	279.0	280.7	268.0	254.9	247.7	226.9
22	226.5	240.9	243.4	254.5	263.5	267.1	272.7	277.1	281.0	291.9	300.6	312.0	337.9
23	292.6	270.5	263.5	255.4	253.6	254.4	247.3	240.4	235.3	226.5	218.0	208.7	192.9
24	205.3	218.1	227.0	228.8	235.0	241.0	243.3	249.0	253.4	262.8	270.6	279.6	302.2
25	283.1	265.5	255.4	258.1	248.1	242.4	236.2	232.2	226.8	219.0	210.1	203.8	186.5
26	189.8	202.1	209.1	215.5	219.7	222.9	225.7	230.3	234.2	243.0	251.7	259.5	278.4
43	445.9	413.3	395.4	384.4	368.9	360.5	353.6	348.5	341.3	331.2	320.8	319.9	292.8
44	284.2	306.4	318.6	330.7	342.2	348.2	354.1	361.3	370.2	385.7	395.5	409.9	436.2
67	265.4	251.6	241.6	245.1	234.8	229.0	223.8	219.6	217.4	207.3	200.9	195.1	181.0
68	186.2	197.4	202.3	208.0	212.8	213.6	215.2	218.6	224.1	231.1	239.6	247.8	266.0
85	531.4	502.5	487.8	467.5	454.1	448.7	439.9	430.2	424.1	408.7	396.1	386.1	368.1
86	365.8	391.2	405.9	416.4	430.7	439.7	448.6	453.5	463.1	474.2	488.6	505.8	531.6
87	404.8	391.2	383.9	373.8	368.7	364.7	360.4	355.4	352.1	344.1	339.0	334.0	326.9
88	319.9	333.7	340.2	346.7	352.6	357.6	362.4	364.7	370.0	374.9	381.5	389.3	399.7
89	198.6	196.8	196.2	198.2	197.1	198.1	197.8	198.1	198.3	200.8	200.4	198.5	195.2
90	194.7	193.1	194.6	195.4	195.3	196.1	196.4	197.4	196.9	197.9	198.3	201.0	202.7
91	196.6	194.6	193.9	192.8	193.2	193.4	193.9	193.9	194.6	196.4	200.7	201.8	200.5
921	460.6	464.8	464.0	466.1	466.3	466.3	466.6	466.7	465.7	465.5	461.1	462.8	463.8

Table XLII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 514 P1	R: 515 P1	R: 516 P1	R: 517 P1	R: 518 P1	R: 519 P1	R: 527 P1	R: 521 P1	R: 522 P1	R: 523 P1	R: 524 P1	R: 525 P1	R: 526 P1
922	352.2	354.4	355.0	354.0	354.7	354.5	354.4	355.4	355.2	353.1	353.2	352.5	355.7
93	258.7	258.7	259.7	257.3	258.0	258.6	258.0	257.7	258.3	257.9	257.9	260.6	263.8
94	337.9	343.1	343.4	343.7	346.6	347.2	347.5	348.2	347.8	346.2	348.3	350.1	352.8
95	199.8	202.1	202.2	201.9	202.8	202.8	204.1	204.9	204.3	203.8	204.2	206.9	206.9
125	325.2	299.7	286.5	276.9	268.0	261.2	263.0	261.7	258.0	246.0	233.2	222.9	203.8
126	213.3	228.8	234.8	241.8	252.5	257.0	263.2	268.1	274.9	284.2	293.7	304.6	331.9
128	470.8	454.3	463.3	463.8	456.3	456.7	466.1	467.1	464.7	469.5	474.2	461.3	437.2
132	180.2	187.4	188.3	188.2	187.6	185.9	187.1	186.0	185.2	182.3	180.6	178.4	176.1
201	866.3	873.9	876.9	882.1	881.2	881.1	882.7	877.4	878.2	871.4	872.1	870.0	864.6
202	955.4	964.1	968.3	974.3	973.1	973.7	974.6	968.5	969.3	963.3	962.9	959.7	952.9
203	992.6	1000.9	1006.3	1011.7	1009.6	1008.8	1011.1	1005.5	1007.0	1001.4	999.9	998.2	989.9
204	967.6	975.1	980.5	984.5	981.7	982.7	984.4	979.4	980.8	975.6	973.8	972.7	966.0
205	874.0	880.7	884.7	891.0	887.7	889.7	890.6	888.3	888.1	885.1	883.6	880.9	877.8
206	755.9	763.4	766.2	770.1	768.1	767.9	770.1	768.0	768.3	764.9	764.0	760.8	757.1
207	653.8	660.0	662.1	666.9	664.0	663.8	664.5	663.4	664.0	662.6	660.6	658.7	660.9
208	585.7	592.7	594.3	596.5	595.1	594.5	594.9	595.0	594.9	593.6	592.4	591.1	593.0
209	869.1	850.6	841.5	824.4	809.0	800.4	792.1	783.7	776.1	759.8	744.5	727.2	702.5
210	935.5	924.4	919.2	907.5	893.2	887.9	880.1	872.3	866.2	852.1	838.6	824.8	800.9
211	974.1	973.3	973.7	968.6	959.8	958.3	954.6	947.1	944.4	933.2	927.3	917.9	901.8
212	905.1	923.4	932.7	946.0	952.2	953.9	962.2	958.7	961.9	963.9	968.2	971.8	979.3
213	812.1	837.8	851.7	869.4	881.0	885.3	893.9	895.0	900.5	910.5	916.7	928.0	944.7
214	697.6	731.2	747.6	766.6	783.1	789.3	797.5	803.6	809.8	824.5	836.1	848.0	872.1
215	453.9	455.6	455.2	453.4	453.6	453.2	453.7	452.9	452.3	448.5	447.4	446.3	447.6
216	518.0	488.0	474.1	456.2	443.6	436.2	428.9	420.0	414.1	399.8	389.2	377.5	361.3
217													
218	356.4	356.3	356.5	354.2	352.8	352.8	352.9	351.8	350.2	349.2	346.7	345.7	348.7
219	332.0	308.8	299.7	287.2	283.0	278.3	271.0	273.4	273.4	262.0	250.4	244.2	226.8
220	221.9	237.4	238.1	248.8	256.1	259.9	265.7	269.4	272.7	282.1	291.0	301.1	325.1
221	274.9	255.8	260.6	249.5	236.2	233.4	228.7	226.3	220.6	212.1	205.4	196.5	185.7
222	186.9	197.6	204.4	209.1	216.1	220.4	220.8	222.8	224.9	234.7	241.2	251.4	270.3
223	264.3	257.5	248.2	238.8	229.1	224.5	221.5	216.9	213.5	205.3	197.9	190.9	179.9
224	184.7	192.4	196.6	201.9	208.8	212.8	216.3	217.8	218.2	223.5	232.3	240.8	258.8
225	362.1	365.4	367.3	370.6	369.5	368.6	369.4	370.8	370.6	370.1	369.0	371.7	369.0
226	590.0	595.1	596.8	600.3	600.0	599.1	600.4	600.0	598.5	599.0	594.0	591.2	593.0
227	663.1	669.6	671.3	675.4	674.5	675.9	675.6	673.1	672.8	671.3	669.8	666.5	665.4
228	751.3	758.0	760.2	766.4	765.2	765.2	764.8	763.3	762.0	759.8	757.8	754.8	751.7

Table XLII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orientation ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 514 P1	R: 515 P1	R: 516 P1	R: 517 P1	R: 518 P1	R: 519 P1	R: 527 P1	R: 521 P1	R: 522 P1	R: 523 P1	R: 524 P1	R: 525 P1	R: 526 P1
229	439.8	443.9	444.1	444.9	445.2	444.4	442.9	445.9	444.1	443.9	442.8	443.9	445.9
230	214.5	214.5	213.1	214.4	212.9	212.8	212.9	214.5	214.8	215.9	216.3	218.1	216.2
231	664.8	640.4	621.4	602.8	585.0	575.6	569.4	559.9	550.3	535.1	514.4	500.6	481.1
232	802.3	779.9	767.4	751.4	734.3	724.9	717.8	708.9	702.1	684.9	667.8	653.4	629.4
233	613.2	644.1	656.9	675.3	694.0	701.1	708.7	714.6	722.0	737.9	749.4	764.3	791.8
234	472.4	501.4	516.5	531.5	551.7	560.8	568.2	576.3	583.6	599.6	615.0	630.6	658.9
235	319.0	300.0	290.4	281.1	275.6	270.2	268.9	262.6	262.2	258.8	250.9	239.8	225.2
236	265.2	254.8	249.7	246.4	242.5	240.5	240.4	237.4	235.7	237.9	231.4	225.3	216.3
237	217.4	215.9	214.1	212.5	212.9	212.4	211.8	210.5	209.6	212.2	212.5	212.0	205.7
238	213.3	211.7	210.2	208.3	206.2	205.5	204.9	205.7	204.7	205.1	208.2	206.3	204.0
239	201.7	199.5	200.9	201.6	201.9	202.9	203.0	202.2	202.8	203.2	203.6	206.7	203.2
240	168.0	168.7	168.6	170.2	171.9	174.1	174.2	173.9	174.0	174.0	172.6	172.3	171.1
241	181.0	185.7	187.7	190.0	187.8	187.0	186.2	184.9	184.7	185.8	183.7	181.7	180.8
242	95.0	99.3	107.2	112.0	116.2	118.1	118.7	119.1	118.2	114.8	106.9	97.7	91.8
243	203.3	197.7	194.8	193.3	192.7	192.2	191.5	191.4	191.6	192.5	194.5	197.2	201.4
244	348.2	351.6	350.9	351.6	349.9	350.0	350.0	350.7	350.2	350.9	356.7	355.8	348.6
245	356.8	359.8	362.4	362.2	361.4	361.3	360.8	360.3	359.8	359.5	359.3	362.4	355.3
246	346.0	328.5	319.1	310.4	303.5	298.6	294.5	292.1	289.8	280.0	283.3	271.5	255.2
247	324.1	302.6	290.9	279.4	273.1	271.5	263.8	258.6	264.8	256.2	244.0	236.0	220.7
248	304.0	282.1	275.4	264.6	268.1	261.8	256.7	252.1	244.6	234.5	226.8	216.3	199.7
249	207.5	219.4	225.6	230.1	236.6	242.2	246.2	250.4	255.0	263.3	272.0	282.3	302.6
250	312.1	298.7	281.1	265.9	251.8	242.5	236.0	225.0	215.7	200.9	182.6	166.9	135.9
251	219.1	198.7	191.3	185.9	179.4	176.1	172.9	168.8	165.3	159.0	156.1	150.6	143.6
252	459.4	462.2	462.2	464.4	462.7	462.8	461.7	463.1	462.3	463.5	461.7	461.3	467.5

Table XLIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 131	R: 132	R: 133	R: 134	R: 135	R: 136	R: 137	R: 138	R: 139	R: 140	R: 141	R: 142	R: 143	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	313.3	312.5	314.3	314.8	316.5	316.4	317.2	317.4	316.8	317.6	316.8	316.5	314.7	
3	465.4	442.2	426.5	416.6	403.1	397.8	389.8	383.0	375.5	364.2	353.6	340.7	317.8	
4	335.4	344.8	356.4	370.2	384.3	388.9	397.4	408.0	414.5	426.7	441.4	457.0	487.3	
5	475.9	451.9	437.0	423.9	408.5	402.3	394.3	387.7	379.1	369.6	356.3	343.1	319.0	
6	334.4	345.4	358.3	372.6	386.8	392.0	400.4	412.3	417.5	430.9	446.0	463.4	493.6	
7	481.9	457.3	441.2	430.7	415.3	409.3	402.6	395.5	386.3	375.9	361.5	349.5	325.5	
8	338.6	352.0	364.4	378.6	394.4	398.8	408.4	418.6	425.0	439.9	453.2	473.2	503.0	
9	428.4	428.4	429.5	431.0	431.0	431.6	432.3	431.0	431.6	429.6	429.5	429.5	425.0	
10	257.3	257.8	258.1	260.9	260.6	261.0	261.3	260.9	260.7	259.6	261.3	262.3	260.0	
11	447.9	420.3	408.7	392.1	381.7	374.4	365.3	359.0	354.6	342.7	329.2	316.6	293.3	
12	299.7	315.3	325.0	337.2	351.8	359.3	365.1	371.2	381.6	395.1	407.3	423.6	455.3	
13	439.1	411.2	397.4	383.8	370.9	362.8	353.0	347.3	344.3	331.1	318.1	307.1	283.2	
14	289.2	305.5	315.8	328.5	342.8	349.4	356.6	362.8	370.7	386.3	399.5	415.0	446.0	
15	422.5	396.8	386.7	370.7	360.4	352.1	343.8	336.3	334.5	321.7	311.1	298.0	276.0	
16	276.1	290.1	300.0	312.3	326.5	332.0	339.7	344.0	352.9	366.2	378.2	392.9	421.9	
17	430.5	440.0	439.1	441.5	442.0	443.5	444.2	446.9	447.7	445.3	444.1	439.7	432.3	
19	354.9	330.5	321.9	308.9	296.8	295.0	290.0	285.1	281.5	270.8	261.7	250.4	237.3	
20	234.0	254.7	255.4	268.3	274.2	277.4	282.2	289.0	294.8	305.0	318.9	329.6	354.0	
21	336.2	313.9	299.2	293.1	282.4	278.4	272.9	267.4	262.4	255.4	243.4	239.7	225.3	
22	218.3	238.5	248.3	254.3	258.9	266.4	269.1	273.8	279.6	289.9	302.2	310.2	336.9	
23	289.7	270.4	260.8	250.7	241.3	236.8	233.6	230.4	224.3	218.1	213.2	207.2	196.2	
24	183.2	198.8	206.2	215.0	226.0	232.0	240.5	233.3	236.9	245.8	252.7	263.3	282.7	
25	277.0	261.6	250.9	241.7	233.9	228.3	223.6	221.7	217.4	213.8	207.6	201.9	190.4	
26	181.6	194.7	201.8	212.2	220.8	225.3	230.4	236.9	242.7	254.1	251.8	260.0	277.0	
43	428.4	400.6	390.9	372.8	362.9	356.7	346.9	340.8	336.6	324.3	312.1	300.5	277.8	
44	288.1	303.5	312.9	325.9	340.1	346.6	353.6	358.9	368.7	382.9	396.0	412.2	443.6	
67	259.5	245.5	236.3	228.2	221.2	216.7	211.7	210.1	207.5	203.1	198.0	192.3	182.6	
68	175.2	188.7	194.6	203.2	212.3	216.7	221.0	226.5	231.7	243.7	241.6	250.6	265.9	
85	517.2	489.8	473.3	461.7	445.8	439.6	433.4	426.1	416.3	404.6	389.7	376.8	353.2	
86	358.7	376.9	387.7	399.2	410.8	417.4	425.8	432.1	437.6	449.5	462.8	475.6	497.2	
87	392.2	382.5	374.9	371.5	361.8	359.2	355.0	352.6	347.2	341.5	334.5	325.5	311.3	
88	316.6	326.6	334.9	342.6	349.9	353.4	359.2	364.6	366.3	373.7	382.3	388.6	401.4	
89	194.9	192.4	192.3	191.3	192.7	192.9	193.1	192.4	192.5	193.0	191.6	189.9	189.1	
90	186.8	190.4	191.3	190.9	191.9	192.4	192.2	191.7	192.5	193.4	193.6	194.6	194.4	
91	190.9	189.5	188.4	188.2	188.2	188.5	188.7	189.0	189.4	189.9	191.0	192.3	191.7	
921	456.6	455.8	460.4	462.8	464.1	464.0	463.2	463.9	464.5	463.0	461.1	459.3	457.2	

Table XLIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 131	R: 132	R: 133	R: 134	R: 135	R: 136	R: 137	R: 138	R: 139	R: 140	R: 141	R: 142	R: 143
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	344.0	343.2	346.8	346.6	349.4	351.2	350.8	351.4	350.8	351.4	350.2	350.8	346.2
93	251.3	252.1	253.2	254.3	254.3	254.9	255.7	255.0	255.0	255.6	256.8	257.6	255.0
94	333.6	334.8	336.2	339.3	342.8	344.3	344.4	344.8	344.5	345.6	347.4	347.1	346.4
95	196.8	196.6	197.9	196.4	198.1	199.1	198.3	198.6	199.3	198.9	197.7	198.1	200.2
125	318.5	292.8	283.0	271.4	261.4	256.4	251.0	243.7	240.8	232.0	221.8	215.7	200.8
126	205.7	225.3	237.2	248.7	250.0	255.4	260.6	266.0	272.1	282.3	293.2	306.4	332.6
128	466.3	464.0	471.1	468.3	445.2	447.0	451.6	442.7	441.6	459.7	458.3	445.4	450.4
132	172.5	175.6	176.6	176.0	178.6	179.5	180.8	180.9	181.0	181.7	180.8	180.4	178.1
201	863.6	863.4	865.5	866.5	872.4	871.6	871.8	872.6	870.1	871.4	865.0	862.4	855.3
202	952.5	953.6	956.4	957.6	962.7	962.4	964.4	965.6	963.9	963.0	955.1	950.8	941.2
203	986.9	990.6	994.1	994.7	999.5	999.4	1000.4	1002.6	1001.1	1001.1	994.7	988.6	976.8
204	958.5	965.0	969.1	968.0	973.5	972.8	973.9	973.0	973.5	973.4	968.0	960.8	948.7
205	866.6	871.9	873.9	874.4	880.6	880.8	880.0	881.4	881.7	878.6	874.9	870.4	862.5
206	750.3	753.8	754.8	755.3	762.0	761.4	762.0	761.7	762.7	761.3	755.8	751.8	741.9
207	646.5	650.2	651.8	654.7	657.7	660.1	658.1	659.3	660.1	659.9	657.0	653.5	645.8
208	579.9	582.6	584.1	584.7	589.2	591.1	591.1	591.8	591.1	589.2	588.5	584.8	580.0
209	856.5	833.4	819.1	807.6	795.7	791.1	782.6	773.3	768.1	751.8	733.0	716.5	685.8
210	923.8	909.3	898.0	889.5	882.1	875.2	869.7	862.8	857.4	844.9	826.8	812.8	784.8
211	964.6	960.2	955.6	951.1	950.4	947.6	942.7	939.3	936.7	929.8	916.4	906.1	884.3
212	898.9	915.1	925.0	931.8	945.1	950.6	950.7	954.5	959.7	964.5	968.5	967.6	966.8
213	805.4	831.2	846.5	859.9	873.4	882.1	886.0	893.3	899.5	909.6	921.7	926.0	936.3
214	693.6	724.8	742.9	760.5	779.3	786.1	792.9	801.4	810.6	825.7	840.3	850.3	870.9
215	447.8	447.3	448.8	452.3	451.4	449.6	449.7	449.6	449.0	448.6	446.0	443.1	439.2
216	501.3	476.5	459.7	451.8	433.8	428.3	422.9	415.7	405.9	395.2	381.4	369.9	346.9
217	353.5	375.7	388.6	403.5	418.2	424.6	435.5	443.8	448.2	464.9	480.3	496.3	524.1
218	350.0	348.1	347.9	348.3	350.4	349.5	348.6	347.6	347.8	346.3	345.5	343.7	338.8
219	319.9	299.3	286.0	281.9	271.4	266.6	262.4	258.6	252.5	245.9	235.5	231.2	219.1
220	215.1	233.3	242.0	249.5	253.8	261.0	265.9	267.2	271.3	281.0	292.3	299.9	324.5
221	270.6	251.4	241.7	234.8	225.3	222.5	219.3	217.6	215.1	209.1	203.3	198.1	189.1
222	176.0	188.7	196.1	202.4	212.3	217.0	222.8	228.9	231.6	243.2	255.0	253.3	267.7
223	257.7	241.5	232.4	225.3	217.4	216.9	214.1	210.9	208.3	203.0	197.7	192.6	185.1
224	175.9	182.9	187.7	197.4	204.8	209.4	214.9	218.7	222.9	230.6	241.0	252.3	259.2
225	361.7	360.7	362.5	362.3	363.4	364.6	363.4	364.2	364.3	365.6	364.3	364.5	362.5
226	586.6	586.0	589.0	590.0	593.6	595.3	593.4	595.1	595.9	597.3	594.0	592.2	589.4
227	660.5	662.4	663.9	665.6	669.5	670.7	669.3	670.6	671.2	669.5	667.7	664.5	662.3
228	746.3	749.6	750.4	753.0	757.7	758.5	756.8	758.5	756.5	755.9	752.9	749.9	746.4

Table XLIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 131	R: 132	R: 133	R: 134	R: 135	R: 136	R: 137	R: 138	R: 139	R: 140	R: 141	R: 142	R: 143	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	432.5	432.7	433.9	434.1	437.8	438.7	439.1	440.1	441.0	442.0	440.6	440.3	436.9	
230	211.3	209.8	208.5	208.2	207.7	209.6	209.2	209.8	211.0	212.6	211.3	211.5	211.3	
231	654.6	621.9	606.5	590.5	577.8	568.3	559.6	551.5	543.1	522.1	507.0	491.7	459.0	
232	790.4	761.3	748.0	735.7	723.9	717.9	707.6	701.8	692.8	676.0	657.8	644.8	612.2	
233	607.8	636.8	654.8	671.8	690.1	698.6	706.2	714.0	722.3	738.8	753.5	768.0	790.8	
234	466.5	494.5	514.0	528.6	548.5	559.8	567.1	574.4	583.9	602.5	617.9	635.4	663.6	
235	315.8	294.6	285.6	275.9	272.4	266.2	262.0	257.9	255.0	247.1	238.7	231.2	221.4	
236	260.5	249.7	245.2	240.5	238.4	238.5	235.0	232.3	230.4	226.1	222.4	216.1	212.2	
237	212.0	209.5	208.7	209.1	210.4	210.9	209.9	207.6	204.8	206.0	206.1	203.9	202.5	
238	209.5	208.9	204.4	204.5	201.9	202.6	203.2	201.6	201.7	200.1	200.2	201.1	201.8	
239	199.1	197.3	197.0	196.6	198.7	199.0	199.4	199.5	200.1	199.0	198.5	199.5	198.2	
240	164.7	167.3	167.2	165.6	165.2	166.5	168.9	173.3	175.2	173.7	165.4	164.6	165.5	
241	177.2	177.2	179.8	181.4	178.5	177.7	180.3	178.6	179.6	180.6	180.9	180.4	180.2	
242	94.8	99.7	106.0	111.5	115.2	116.9	117.7	116.9	115.8	112.4	104.0	97.2	93.4	
243	203.6	198.4	194.8	191.9	189.7	189.6	190.1	188.7	189.7	192.8	195.0	199.3	202.9	
244	348.9	348.1	347.6	347.6	344.7	346.0	344.8	345.6	346.8	347.0	345.8	345.6	344.6	
245	355.5	355.5	353.5	357.0	355.4	355.4	354.8	356.3	356.3	356.9	354.2	350.5	347.9	
246	341.6	324.4	314.4	307.5	297.1	292.9	293.6	289.4	284.7	279.0	269.9	263.9	250.5	
247	319.2	298.4	285.4	276.3	269.4	264.6	259.0	254.9	250.5	242.9	234.2	228.4	217.1	
248	299.9	278.1	267.8	260.0	249.3	244.3	242.1	236.6	231.0	224.0	219.5	212.9	199.4	
249	193.8	210.5	219.9	229.8	242.9	248.1	255.3	258.6	253.3	263.2	270.5	281.3	301.4	
250	306.1	279.2	263.8	252.3	239.2	231.9	226.0	217.8	210.1	195.2	179.8	162.3	132.2	
251	202.9	189.9	183.4	180.6	175.8	173.3	171.2	168.2	166.0	160.3	157.3	153.8	148.3	
252	450.7	452.7	453.3	454.0	457.3	459.2	458.4	459.2	460.1	461.2	459.5	461.1	458.0	

Table XLIV: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 22	R: 23	R: 24	R: 25	R: 26	R: 27	R: 28	R: 29	R: 30
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	321.8	321.9	322.0	322.7	322.4	322.0	321.8	321.2	320.2
3	423.5	419.3	406.3	394.2	381.0	369.0	357.8	345.1	324.0
4	372.1	378.5	392.2	405.4	418.8	432.0	446.4	459.0	486.8
5	430.8	426.4	412.6	399.4	385.6	373.1	359.9	347.6	325.1
6	373.1	380.5	393.5	408.1	421.2	435.6	451.4	464.7	493.0
7	436.6	431.4	418.8	405.0	391.3	377.7	366.7	353.1	329.4
8	378.9	386.4	402.2	415.3	430.4	442.5	457.3	472.4	501.1
9	429.7	429.7	429.1	429.8	429.7	428.1	427.6	427.6	426.0
10	267.6	266.6	266.3	265.4	265.3	266.2	265.8	264.9	263.5
11	401.2	394.7	381.0	368.6	356.7	343.5	332.3	319.5	298.4
12	339.1	345.9	358.7	370.0	383.7	396.2	411.1	425.1	453.0
13	391.0	384.1	370.9	357.7	344.5	333.6	321.6	309.4	286.8
14	329.3	335.8	348.8	361.1	373.5	387.0	400.9	415.0	444.2
15	378.4	372.5	359.9	347.3	336.7	324.8	314.5	303.2	281.7
16	312.8	320.3	332.5	343.3	355.2	367.9	381.0	393.3	421.0
17	444.6	443.3	444.9	444.4	444.5	445.5	441.8	438.8	432.2
19	319.6	313.6	303.7	293.6	284.3	275.4	266.7	257.1	239.4
20	267.6	271.8	281.5	290.5	301.2	310.1	321.8	332.9	355.7
21	299.3	291.5	281.7	272.5	264.0	255.6	248.7	240.2	225.1
22	254.2	258.0	266.4	274.4	284.3	293.9	305.1	315.6	336.8
23	259.9	255.2	246.2	236.3	229.7	221.9	215.5	207.3	194.5
24	215.3	217.1	223.7	231.3	239.3	248.2	258.1	267.6	289.7
25	249.5	245.8	237.2	229.0	221.9	214.9	208.8	201.9	190.4
26	213.6	216.9	224.3	231.5	238.5	247.5	256.3	264.9	285.2
43	383.7	376.0	362.8	350.1	337.8	326.2	315.6	303.4	283.6
44	327.3	334.5	347.4	359.2	374.0	386.3	401.4	412.5	443.5
67	235.7	231.2	223.8	216.3	210.2	203.8	198.2	191.2	181.2
68	205.2	207.6	214.6	222.1	229.7	237.2	246.6	254.7	273.0
85	468.6	462.7	447.6	434.2	420.7	406.1	393.0	380.2	357.1
86	403.7	409.9	421.5	433.1	444.3	454.8	467.6	479.2	501.5
87	376.6	373.5	365.8	358.8	351.6	346.1	337.1	330.7	316.5
88	348.5	351.6	359.7	365.7	371.6	378.6	386.2	392.3	403.7
89	197.9	197.9	198.4	198.8	197.2	197.6	195.3	194.3	191.4
90	196.5	197.1	198.7	198.8	199.9	201.1	201.1	200.1	200.2
91	194.5	193.4	193.7	194.1	194.9	194.9	196.2	197.0	196.6
921	458.1	460.7	460.4	460.0	459.3	459.7	459.0	457.9	457.0

Table XLIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 22	R: 23	R: 24	R: 25	R: 26	R: 27	R: 28	R: 29	R: 30
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	356.7	354.5	355.6	354.9	355.2	354.5	354.7	354.3	352.4
93	259.1	260.4	260.4	260.3	261.3	260.5	259.9	259.9	259.2
94	345.8	345.6	349.2	349.6	348.8	350.9	351.3	351.7	352.5
95	207.0	208.9	207.7	206.9	206.5	206.5	206.0	204.9	205.3
125	277.8	275.4	264.2	254.0	243.3	232.9	224.6	214.3	198.9
126	240.7	247.0	255.9	265.8	275.4	286.2	297.5	308.5	331.8
128	464.4	460.4	440.9	447.2	434.7	451.3	457.7	439.3	424.5
132	172.9	173.4	173.1	173.6	173.3	173.7	172.6	172.0	169.3
201	869.7	869.7	871.0	868.7	868.2	867.8	864.8	860.7	854.7
202	961.5	961.1	963.7	961.8	962.1	959.8	956.2	952.6	945.1
203	1001.1	1001.4	1002.8	1002.4	1001.4	999.3	997.3	994.7	986.5
204	977.3	976.8	979.6	979.6	977.6	976.6	973.8	971.0	963.5
205	889.2	888.7	889.2	891.1	889.7	890.1	887.0	884.4	877.5
206	771.3	770.2	770.9	772.1	771.3	769.2	768.0	766.3	761.1
207	667.7	667.7	669.1	671.1	670.2	667.7	667.8	665.9	663.2
208	597.7	598.1	598.2	598.7	599.3	599.2	596.2	596.7	591.9
209	820.3	813.4	798.9	785.0	770.8	755.7	738.9	724.0	692.8
210	899.1	896.3	885.2	871.9	861.6	848.8	835.0	823.0	793.1
211	962.2	958.2	954.0	947.7	941.6	933.1	923.3	915.0	896.7
212	939.2	942.4	950.1	957.3	962.0	965.9	969.9	974.7	980.5
213	862.4	867.9	879.8	891.7	902.6	912.2	920.8	930.9	945.0
214	759.7	767.9	783.0	798.7	812.5	826.1	838.6	852.8	877.9
215	448.4	448.4	448.5	446.2	445.6	445.4	444.3	440.4	438.4
216	457.6	450.2	437.5	424.3	410.4	397.9	385.5	372.9	349.3
217	404.9	413.5	428.4	441.9	457.0	468.8	483.0	498.2	525.4
218	355.1	354.0	355.4	354.2	351.9	351.7	350.3	348.1	344.1
219	286.8	281.0	269.8	261.6	253.3	246.8	238.7	231.2	217.9
220	249.5	253.6	262.2	270.3	278.5	287.9	296.0	305.8	325.7
221	241.2	238.4	229.5	222.0	214.8	208.0	201.8	196.4	186.1
222	205.7	209.4	216.3	222.3	230.5	238.3	247.2	255.1	273.3
223	231.6	225.5	219.5	213.5	207.7	201.7	196.6	191.7	181.1
224	198.4	201.7	208.1	215.1	221.2	228.7	236.9	244.3	261.5
225	360.5	361.7	362.6	364.5	363.9	363.4	362.6	361.2	358.6
226	591.0	591.6	592.2	592.1	592.5	589.9	590.7	589.4	586.8
227	666.9	666.5	668.6	669.8	668.5	666.6	665.8	663.5	659.1
228	754.0	755.1	756.2	755.4	754.3	752.4	750.9	748.5	743.7

Table XLIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 22	R: 23	R: 24	R: 25	R: 26	R: 27	R: 28	R: 29	R: 30
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	445.4	446.1	445.2	447.7	448.6	447.0	448.0	447.5	444.9
230	216.9	217.3	216.5	216.5	216.1	215.6	215.9	215.8	214.3
231	602.4	594.0	577.9	562.7	545.2	528.0	510.1	494.4	463.2
232	747.6	740.7	725.7	711.7	696.3	679.6	665.5	650.0	619.6
233	670.7	679.4	694.4	710.9	724.5	739.0	752.5	769.6	796.7
234	528.8	538.1	554.9	569.7	586.3	601.4	618.5	633.3	666.8
235	287.5	281.8	273.7	266.7	258.8	252.1	244.9	237.7	223.8
236	254.3	251.8	245.4	241.2	237.5	231.9	227.7	222.1	215.2
237	220.4	220.1	219.6	219.4	215.3	215.7	213.5	211.3	207.3
238	215.4	214.3	211.2	210.9	210.3	210.2	209.2	208.2	206.0
239	206.6	206.6	207.3	208.0	208.1	207.8	206.4	206.6	203.4
240	165.0	165.8	165.0	169.1	174.6	173.0	166.5	164.9	163.9
241	180.5	179.8	179.5	178.8	178.3	178.7	178.9	178.4	177.3
242	109.8	112.3	116.7	118.5	117.1	112.5	105.6	97.9	93.0
243	194.3	192.9	190.4	190.3	189.9	193.2	195.8	198.4	202.9
244	347.1	347.2	347.1	347.0	346.9	346.3	345.3	344.1	342.3
245	355.8	356.8	354.6	354.5	354.9	354.5	351.7	349.5	344.4
246	310.8	308.4	300.6	293.1	286.0	279.3	271.9	265.1	251.2
247	284.0	279.4	270.9	260.9	252.4	244.7	237.5	230.7	218.3
248	267.1	262.5	253.2	244.7	236.6	227.7	219.4	211.7	197.5
249	228.1	231.8	239.6	247.7	257.1	265.8	274.6	284.5	305.8
250	265.8	258.6	246.4	231.6	214.5	198.0	180.3	163.7	135.4
251	183.7	179.9	175.0	170.7	165.5	160.1	155.1	151.0	144.7
252	466.0	465.7	466.7	467.2	467.4	467.4	467.2	467.3	467.8

Table XLV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 80	R: 79	R: 78	R: 77	R: 76	R: 75	R: 74	R: 73	R: 72
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	314.1	315.2	316.0	316.6	315.3	315.5	316.9	315.7	315.2
3	475.0	446.8	432.8	419.6	406.3	393.2	380.6	367.0	360.1
4	329.1	351.9	363.0	375.4	387.2	400.4	413.6	426.3	429.7
5	487.0	457.8	443.8	429.4	413.9	401.2	387.4	372.2	364.3
6	329.5	353.0	365.3	378.0	390.2	403.2	415.3	430.7	436.1
7	491.2	463.6	448.3	435.0	421.3	407.3	393.7	379.4	371.8
8	336.0	360.6	371.1	385.5	396.8	411.1	425.1	440.2	444.0
9	431.5	433.8	434.4	433.8	433.9	432.2	432.1	431.3	431.6
10	260.2	260.7	260.2	260.4	260.0	260.1	260.1	259.9	259.7
11	452.0	423.2	408.5	396.0	382.2	369.1	356.5	344.5	339.0
12	298.7	320.4	331.7	343.5	355.6	367.4	379.4	393.7	400.2
13	442.5	413.2	399.0	385.2	370.6	357.3	345.3	333.0	328.2
14	289.7	311.5	322.3	334.3	346.8	359.3	371.3	385.0	390.6
15	426.3	398.6	385.5	373.0	358.8	346.8	335.1	322.5	318.7
16	275.0	294.9	306.0	316.6	328.3	339.9	351.8	364.0	370.5
17	438.5	445.5	447.7	450.6	450.3	449.8	449.6	447.8	448.0
19	357.6	334.9	323.1	311.9	300.8	291.4	280.4	272.1	267.2
20	233.3	250.3	258.3	267.7	277.3	286.1	295.7	306.9	310.6
21	339.5	316.3	305.8	294.4	284.4	275.1	265.4	257.8	252.5
22	224.7	239.4	246.7	255.7	263.4	272.8	281.2	290.1	297.6
23	290.4	270.5	261.3	252.0	242.8	234.5	226.4	218.5	215.3
24	187.0	200.0	207.2	214.8	221.9	229.5	237.1	245.3	251.2
25	283.9	263.9	254.9	246.2	237.1	229.8	221.6	214.1	211.5
26	185.8	197.8	204.7	211.5	218.5	226.2	234.1	242.9	246.5
43	433.7	404.3	390.2	376.2	363.0	350.0	337.2	325.6	320.6
44	286.4	308.9	319.4	331.2	343.4	355.4	368.0	382.3	387.8
67	266.1	247.5	238.7	232.1	223.5	216.4	208.6	202.2	200.4
68	181.3	193.0	198.4	204.3	210.6	217.3	225.5	233.0	236.7
85	525.3	494.4	478.8	465.8	452.1	437.2	423.9	409.7	401.4
86	358.7	379.4	389.7	401.0	411.1	422.4	432.1	445.2	451.0
87	396.5	382.7	375.5	368.3	361.0	354.7	348.8	340.7	335.6
88	317.7	331.4	338.0	344.2	350.6	358.1	364.3	370.8	372.3
89	193.3	193.8	193.2	193.6	193.5	193.7	192.6	191.1	191.2
90	189.2	191.9	193.0	194.1	194.5	194.0	194.2	193.8	194.2
91	189.9	191.3	190.8	191.0	190.4	190.4	190.4	190.2	190.1
921	465.0	467.2	467.7	467.6	466.4	467.6	465.7	464.7	465.6

Table XLV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$ Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 80	R: 79	R: 78	R: 77	R: 76	R: 75	R: 74	R: 73	R: 72
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	344.5	347.1	346.9	347.3	348.5	347.7	347.7	346.9	347.2
93	254.4	254.7	255.1	255.1	254.8	254.4	254.8	254.3	254.2
94	333.7	338.2	338.5	340.1	340.7	342.4	342.3	343.2	343.7
95	195.6	197.6	199.0	199.5	199.6	200.1	199.8	198.4	198.2
125	317.8	296.2	285.3	273.5	262.5	252.6	243.4	233.2	228.4
126	208.8	226.5	234.5	244.0	252.4	262.4	272.7	284.2	287.9
128	492.7	490.2	494.9	496.3	480.9	485.2	479.9	490.8	495.1
132	178.5	180.4	180.6	181.5	181.4	181.4	181.4	180.9	180.4
201	873.1	878.0	879.1	880.1	880.0	880.3	878.4	876.1	877.7
202	960.3	966.6	967.8	969.3	969.2	969.6	970.0	967.2	966.8
203	993.4	999.3	1002.0	1003.0	1003.6	1004.0	1004.3	1002.3	1003.3
204	962.4	969.1	970.9	972.3	974.5	975.6	975.5	973.3	972.7
205	868.2	874.5	875.6	877.8	878.5	879.3	879.2	878.8	877.8
206	750.6	754.9	757.5	757.7	757.6	757.9	757.5	755.1	754.6
207	648.5	651.2	653.0	654.2	654.9	654.3	653.7	653.8	653.6
208	581.0	583.9	584.5	585.4	585.3	584.8	585.7	584.4	584.6
209	865.6	841.3	828.0	814.4	800.3	785.7	772.0	756.2	748.7
210	931.7	914.1	905.0	895.4	883.8	872.3	861.3	847.9	842.3
211	969.7	964.4	960.7	956.8	951.2	944.6	939.2	930.7	926.4
212	903.7	920.6	928.5	936.7	945.2	950.0	956.3	961.9	965.0
213	810.6	837.9	851.0	861.8	874.4	886.0	897.4	908.1	913.7
214	699.6	733.4	748.7	764.4	779.8	793.2	807.6	822.9	830.2
215	457.2	456.3	456.1	455.4	454.2	454.3	451.6	449.9	449.2
216	508.5	481.1	465.8	452.9	439.3	426.3	413.0	398.9	390.4
217	355.4	380.7	392.7	406.3	418.6	433.5	447.1	461.7	466.9
218	349.9	348.9	347.9	348.1	346.7	346.8	345.6	344.4	342.6
219	323.3	302.8	292.2	281.7	272.0	263.4	255.4	247.0	242.1
220	220.8	234.4	242.3	250.0	257.6	265.1	274.3	282.4	287.0
221	273.3	255.5	246.9	239.1	230.5	223.4	216.1	209.6	203.9
222	184.5	194.6	200.5	207.1	213.6	223.4	229.7	237.3	240.5
223	260.0	243.6	235.6	228.0	220.5	213.3	207.1	201.1	196.2
224	180.0	188.8	193.7	198.6	203.7	210.2	217.2	225.0	226.8
225	361.7	364.5	366.3	368.4	368.0	369.1	369.7	371.1	369.1
226	595.4	597.5	600.2	600.7	599.9	599.5	600.6	599.4	599.4
227	669.7	675.1	675.1	676.7	676.2	674.4	675.2	674.8	675.8
228	758.4	763.4	764.5	764.6	764.9	764.1	763.7	763.3	762.8

Table XLV: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 80 Pi	R: 79 Pi	R: 78 Pi	R: 77 Pi	R: 76 Pi	R: 75 Pi	R: 74 Pi	R: 73 Pi	R: 72 Pi
229	431.9	433.4	433.4	433.7	433.9	433.5	436.0	436.5	436.4
230	211.5	212.3	212.1	212.3	211.8	212.0	212.1	212.0	209.8
231	660.4	629.1	613.1	596.4	579.9	564.6	547.3	531.0	524.1
232	797.9	771.3	755.9	741.7	727.8	711.1	697.4	682.2	675.1
233	615.2	646.4	662.2	676.7	691.8	706.5	722.9	737.0	745.5
234	473.5	505.6	520.4	535.4	552.6	567.6	583.3	599.9	607.4
235	313.8	296.1	288.3	279.1	270.1	262.0	253.8	247.1	242.1
236	260.5	250.9	247.0	242.1	237.8	233.7	230.0	225.9	223.0
237	213.5	212.5	211.4	210.2	210.8	209.4	206.3	206.7	204.3
238	208.6	208.0	208.4	205.8	202.9	202.3	201.3	200.3	198.6
239	196.8	197.7	197.8	198.8	199.3	199.4	199.9	199.8	197.7
240	167.7	169.4	170.3	170.8	170.7	171.5	178.5	177.8	172.7
241	177.9	178.1	179.3	182.1	182.1	181.1	181.4	182.8	181.0
242	94.7	98.9	104.4	110.1	115.1	116.2	114.7	109.9	105.6
243	204.1	200.2	197.0	194.3	191.1	190.6	189.3	192.7	192.7
244	350.0	351.5	352.3	352.5	352.4	351.6	350.9	352.0	349.8
245	354.8	358.3	359.3	360.3	360.5	360.1	359.0	358.4	356.4
246	342.0	326.0	318.3	310.8	302.5	296.0	288.5	281.8	277.0
247	319.3	298.7	288.2	278.3	269.2	260.0	252.4	243.4	240.5
248	300.3	280.4	269.3	260.3	250.7	242.5	234.2	225.0	223.0
249	198.0	212.5	219.9	228.4	236.0	245.2	253.6	262.7	267.3
250	314.0	284.3	270.7	257.0	242.2	225.6	208.7	192.0	182.9
251	210.8	196.9	190.1	184.6	178.2	172.7	167.3	162.5	160.6
252	452.0	453.6	454.3	452.9	453.5	453.3	454.6	455.4	453.5

Table XLVI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 811 Pi	R: 812 Pi	R: 813 Pi	R: 814 Pi	R: 815 Pi	R: 816 Pi	R: 817 Pi	R: 818 Pi	R: 819 Pi	R: 820 Pi	R: 821 Pi	R: 822 Pi	R: 823 Pi	R: 824 Pi
2	442.4	474.8	509.9	546.3	588.3	632.6	672.2	718.5	759.7	805.7	851.9	898.0	944.7	992.0
3	575.7	586.0	598.1	601.3	607.9	612.2	615.6	617.8	616.2	616.5	611.6	603.0	594.6	585.0
4	586.3	595.9	605.7	611.3	618.0	629.7	632.4	628.9	626.1	624.2	617.7	610.6	599.9	590.1
5	592.4	603.9	604.5	599.6	598.6	600.2	598.4	593.3	588.6	583.6	575.5	570.6	560.5	552.2
6	596.5	597.5	600.1	602.9	602.0	601.5	606.0	596.4	589.5	583.9	575.4	566.0	555.3	544.2
7	607.9	604.9	599.5	593.3	587.7	585.8	577.4	571.7	563.0	555.3	544.1	535.7	526.2	518.7
8	613.3	609.8	606.1	603.4	598.2	593.7	587.1	574.6	572.1	564.8	553.6	542.7	532.3	521.6
9	688.2	649.8	608.6	570.4	531.6	495.2	461.3	427.4	396.4	369.4	343.1	316.6	294.1	272.5
10	362.2	391.8	423.7	455.7	489.5	524.9	565.7	604.7	648.2	695.2	739.9	785.1	828.4	870.7
11	499.3	504.2	512.7	510.7	513.4	515.3	513.6	513.6	509.4	508.4	502.5	494.4	485.8	477.9
12	490.4	492.6	498.0	500.4	504.5	507.6	506.9	505.3	505.8	501.3	496.8	491.9	485.1	476.9
13	497.2	499.2	503.5	506.1	503.6	505.1	503.3	502.9	500.6	499.2	496.5	492.2	488.0	485.9
14	493.1	492.5	496.6	501.0	500.3	504.4	509.0	501.5	499.1	497.0	492.4	489.1	486.4	480.3
15	517.8	515.0	513.8	511.8	508.4	505.2	496.0	492.4	483.5	479.3	470.7	465.4	459.2	456.4
16	505.6	499.8	498.3	498.3	495.5	491.4	488.2	484.3	476.8	472.4	468.1	462.3	459.4	457.4
17	709.7	686.0	648.1	608.4	570.1	528.7	488.8	454.0	416.8	384.7	350.6	319.3	294.7	275.7
19	426.0	422.9	421.6	425.5	425.1	425.6	424.5	426.8	426.8	424.6	426.7	426.1	425.7	423.1
20	428.4	427.8	429.9	430.2	431.9	430.9	429.4	432.4	429.6	428.5	425.9	424.4	423.6	422.5
21	407.5	405.7	405.2	408.0	406.7	403.2	411.6	412.6	410.9	411.4	406.9	401.2	397.3	393.9
22	403.5	404.5	406.9	407.1	405.3	409.1	412.2	412.6	415.1	412.8	409.6	403.4	398.2	394.6
23	347.6	342.6	346.0	351.3	347.4	348.4	347.2	348.0	345.5	345.1	348.8	349.6	353.8	364.5
24	363.1	363.8	366.8	367.1	369.7	366.8	364.5	358.8	355.0	351.6	349.9	352.5	356.5	357.2
25	344.6	343.6	346.0	345.1	343.0	347.9	343.1	341.4	340.0	336.2	334.7	330.7	331.1	324.7
26	335.2	332.8	334.6	336.3	334.3	333.3	333.5	329.4	328.7	327.5	325.3	322.6	324.4	323.7
43	506.9	521.0	522.0	532.2	539.8	549.8	556.0	561.5	565.2	567.9	566.9	568.0	566.0	556.6
44	482.8	493.2	505.4	518.1	529.8	540.9	545.2	545.7	549.9	550.4	548.3	548.7	548.2	545.0
67	321.7	325.9	331.8	335.7	337.3	339.2	342.0	340.1	339.0	340.9	339.6	338.1	341.5	340.2
68	315.8	317.3	322.7	326.9	332.4	336.1	339.6	337.0	337.3	337.4	336.4	335.0	337.7	341.1
85	644.7	649.2	655.6	656.1	657.5	654.4	649.1	650.2	643.6	640.2	630.4	619.4	607.0	592.4
86	661.2	666.3	669.3	667.4	668.6	668.8	668.3	666.6	659.9	651.2	642.5	634.1	622.3	608.7
87	503.1	531.1	562.9	593.4	627.3	658.4	684.8	716.6	747.2	776.1	801.0	828.9	851.8	877.1
88	507.2	535.4	565.1	599.7	632.3	663.2	692.3	722.3	754.0	784.1	810.6	843.1	867.8	893.7
89	270.5	287.8	311.1	333.1	353.8	379.6	410.1	440.2	474.5	510.5	547.0	582.4	621.9	665.4
90	266.2	286.2	308.5	328.5	353.1	380.5	410.5	441.5	477.5	510.5	546.4	583.2	623.3	659.0
91	271.6	289.3	306.7	330.3	354.3	381.2	408.7	439.6	473.7	510.2	548.4	592.1	632.7	668.2
921	740.4	698.2	654.5	613.0	574.5	534.2	496.4	459.2	423.4	392.1	363.2	338.6	312.6	291.2

Table XLVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 811 Pi	R: 812 Pi	R: 813 Pi	R: 814 Pi	R: 815 Pi	R: 816 Pi	R: 817 Pi	R: 818 Pi	R: 819 Pi	R: 820 Pi	R: 821 Pi	R: 822 Pi	R: 823 Pi	R: 824 Pi
922	487.8	520.9	559.9	599.6	640.1	682.8	724.7	771.1	824.0	876.0	928.5	974.3	1022.8	1070.2
93	354.1	382.8	415.1	446.8	481.2	518.2	553.6	594.9	640.2	684.4	726.4	768.4	809.3	853.3
94	476.9	512.8	550.1	588.6	632.7	673.5	720.0	768.3	822.8	872.6	918.4	964.9	1011.1	1053.4
95	281.3	299.1	321.4	343.9	369.9	398.7	429.2	460.6	496.3	533.7	576.9	616.0	657.5	702.1
125	370.2	373.1	374.9	378.5	375.7	373.5	368.7	364.7	355.7	347.8	339.7	331.4	328.0	323.3
126	388.3	391.7	392.5	391.7	392.3	386.9	382.2	377.2	369.4	361.5	354.4	347.3	341.1	333.0
128	750.7	681.0	609.5	544.7	480.8	432.4	394.0	364.3	339.7	321.4	305.0	290.0	277.8	267.4
132	257.9	270.1	279.8	292.8	313.0	330.3	346.8	367.2	396.9	429.5	458.0	488.6	522.9	564.1
201	1344.3	1311.6	1273.5	1227.4	1182.9	1133.7	1087.0	1035.9	984.5	935.8	884.7	831.5	784.2	730.8
202	1458.8	1446.6	1425.5	1398.3	1369.3	1336.4	1303.8	1262.9	1221.3	1184.7	1143.4	1098.6	1051.3	1010.8
203	1496.0	1495.8	1500.0	1488.5	1476.8	1454.0	1445.4	1414.6	1375.7	1356.6	1318.7	1282.7	1238.4	1201.2
204	1435.7	1461.0	1480.7	1489.4	1488.4	1492.0	1508.8	1498.8	1485.9	1477.2	1462.4	1436.5	1405.8	1383.2
205	1282.6	1322.3	1360.5	1389.6	1417.8	1443.5	1458.6	1480.5	1492.4	1502.7	1507.6	1504.2	1495.2	1491.6
206	1092.8	1142.1	1190.6	1231.3	1276.1	1315.3	1355.0	1382.6	1403.6	1441.0	1463.3	1473.6	1475.5	1505.2
207	939.0	987.6	1036.1	1083.1	1127.8	1174.3	1219.2	1258.0	1297.8	1336.3	1370.0	1394.3	1409.5	1452.5
208	845.5	885.0	929.8	973.9	1024.7	1067.8	1113.6	1152.5	1198.4	1241.7	1280.8	1314.4	1345.4	1386.6
209	1166.4	1178.2	1184.2	1188.5	1188.9	1184.6	1183.5	1172.1	1156.2	1141.7	1123.9	1099.2	1075.9	1053.5
210	1292.2	1300.7	1324.2	1324.7	1331.8	1326.5	1333.3	1322.5	1308.0	1294.6	1275.6	1252.3	1225.1	1202.5
211	1394.7	1418.7	1431.9	1437.2	1451.3	1442.9	1457.9	1449.0	1439.1	1427.7	1411.1	1384.4	1355.4	1333.9
212	1400.3	1422.4	1437.1	1447.6	1460.1	1451.0	1466.8	1458.7	1444.4	1434.7	1420.4	1397.1	1367.2	1331.4
213	1307.7	1327.5	1339.1	1340.5	1346.1	1351.1	1352.4	1338.1	1328.7	1308.5	1298.9	1278.4	1253.5	1230.4
214	1173.9	1182.4	1193.5	1193.1	1191.5	1194.4	1189.5	1173.1	1161.4	1152.0	1134.6	1112.5	1092.7	1066.9
215	713.8	673.0	632.6	593.4	554.7	519.0	481.3	449.5	416.0	385.0	358.9	333.0	309.4	286.2
216	622.2	631.9	643.0	648.0	654.4	660.9	663.0	665.3	664.2	663.0	658.0	653.0	645.9	637.2
217	639.8	650.4	656.0	661.1	667.2	673.1	677.0	672.6	672.4	669.2	665.8	660.7	653.9	642.5
218	485.6	517.7	556.8	596.4	638.3	680.7	724.4	768.5	820.4	870.5	917.7	967.0	1011.6	1054.2
219	390.9	391.7	397.8	402.7	409.3	409.6	409.0	410.2	408.9	404.9	402.1	402.0	399.7	398.0
220	392.4	393.5	398.1	402.6	406.0	406.8	408.3	407.0	407.8	403.4	404.7	400.6	399.4	395.6
221	328.6	332.6	336.9	339.9	341.4	342.1	341.3	341.5	341.8	342.2	337.8	335.1	333.0	334.5
222	325.8	325.6	327.9	330.0	332.6	333.5	333.0	333.8	333.4	332.0	332.7	333.3	333.9	336.8
223	316.1	320.9	325.8	326.4	331.2	332.0	334.2	334.5	331.3	329.3	328.4	329.1	329.4	329.9
224	314.1	320.0	323.0	325.0	328.0	328.9	328.9	329.1	329.1	329.1	329.5	330.3	332.1	331.9
225	585.1	543.9	511.9	476.9	445.4	414.3	389.2	363.2	337.9	315.5	297.1	278.4	260.8	246.8
226	939.9	895.7	851.0	804.6	760.5	718.7	680.1	642.1	602.1	563.5	522.8	486.3	453.6	415.2
227	1050.9	1005.9	961.1	910.1	862.7	815.9	758.2	710.8	670.6	622.9	582.1	540.4	502.4	463.8
228	1180.5	1137.0	1093.1	1038.0	985.5	929.7	875.2	819.3	745.3	689.9	642.2	593.4	553.6	512.4

Table XLVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 740.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 811	R: 812	R: 813	R: 814	R: 815	R: 816	R: 817	R: 818	R: 819	R: 820	R: 821	R: 822	R: 823	R: 824
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	610.0	658.4	705.9	752.3	797.8	846.5	894.2	940.3	988.8	1037.9	1078.4	1129.4	1171.5	1218.6
230	292.3	313.1	338.1	364.6	393.4	424.1	455.8	490.1	528.4	565.9	606.4	653.0	690.7	735.9
231	847.4	843.5	847.7	842.4	838.5	832.9	822.4	817.1	803.6	793.9	783.4	768.5	753.8	735.6
232	1062.8	1066.0	1069.3	1069.7	1066.5	1060.4	1053.0	1039.0	1024.3	1009.6	990.7	971.2	948.9	926.9
233	1052.1	1055.2	1057.8	1054.7	1053.7	1045.1	1038.6	1027.7	1012.4	1001.1	981.7	962.9	942.5	923.4
234	846.3	846.8	847.3	842.0	838.8	831.3	824.3	815.3	806.3	795.3	777.3	760.2	745.5	729.0
235	365.9	382.5	397.2	408.0	421.9	432.9	438.4	443.8	451.6	445.1	445.8	441.9	443.8	439.8
236	322.5	347.2	372.9	396.1	418.4	437.4	458.8	475.7	497.0	516.4	531.0	547.6	566.4	578.6
237	285.3	309.0	332.3	357.7	385.4	413.3	442.7	468.4	501.9	534.0	572.2	613.8	650.8	683.5
238	286.9	304.2	326.1	351.1	379.1	407.1	438.5	468.1	502.6	537.1	576.7	617.2	661.8	702.1
239	278.5	295.3	317.7	343.9	369.5	397.9	428.5	458.6	496.6	532.6	573.6	617.1	655.1	700.8
240	232.5	244.4	260.1	277.8	306.2	328.7	347.4	367.6	395.5	424.6	458.9	491.3	527.3	568.6
241	245.1	271.1	298.7	321.0	343.2	365.7	373.4	389.6	407.2	424.5	442.4	453.8	467.4	485.3
242	186.8	171.7	159.8	146.7	136.0	125.4	118.0	109.5	102.6	96.7	91.2	85.7	80.9	79.2
243	301.6	283.8	267.7	250.7	235.3	221.5	207.1	193.2	181.2	170.4	161.5	152.2	145.5	140.7
244	555.8	519.9	486.0	453.9	426.7	399.1	374.5	350.3	329.3	309.2	293.6	277.8	264.7	255.2
245	570.8	533.7	503.2	468.1	437.8	408.5	381.4	358.1	334.0	313.8	295.3	277.4	261.8	250.9
246	442.1	443.0	441.3	438.8	437.5	438.3	437.4	431.7	430.2	428.6	422.8	419.8	416.7	416.9
247	382.5	390.2	403.0	407.3	413.0	415.0	413.5	412.3	409.6	407.7	400.5	388.5	382.8	366.1
248	358.8	356.5	353.6	349.1	348.9	348.2	343.9	340.0	334.7	329.0	324.2	324.2	331.2	328.2
249	365.2	364.6	363.8	361.6	361.1	359.4	355.7	349.0	341.9	336.2	329.8	325.5	322.8	319.3
250	297.2	332.0	357.5	367.0	369.1	363.7	355.8	337.5	314.3	296.3	281.1	268.4	247.6	232.5
251	245.7	248.7	248.8	245.7	239.3	235.2	234.7	233.7	232.8	233.5	232.6	232.5	233.1	230.8
252	646.1	684.0	731.7	778.1	828.4	878.2	929.5	977.6	1027.5	1075.8	1123.5	1164.6	1208.9	1246.1

Table XLVII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- face ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 888	R: 889	R: 890	R: 891	R: 892	R: 893	R: 894	R: 895	R: 896	R: 897	R: 898	R: 899	R: 900	R: 901	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	298.9	320.9	343.0	369.6	397.3	426.0	455.7	483.5	513.7	542.7	574.1	606.1	637.4	667.1	
3	388.3	395.3	401.6	406.4	410.9	413.3	415.3	416.7	416.3	415.1	413.0	409.0	403.3	395.6	
4	396.4	402.6	408.0	413.7	418.6	420.6	423.3	424.2	424.1	422.0	419.1	414.4	408.3	402.2	
5	399.7	401.1	401.8	403.8	402.8	402.9	401.5	401.4	397.6	396.0	389.8	385.6	380.4	374.9	
6	402.0	405.3	405.4	406.2	406.9	405.8	404.9	402.0	398.4	394.4	389.8	384.7	377.2	371.4	
7	409.5	407.5	404.9	401.1	399.2	394.3	389.8	387.4	381.1	376.3	369.3	364.4	357.8	352.5	
8	413.7	413.2	410.3	408.0	405.1	401.2	397.7	392.6	387.0	382.4	375.0	369.1	362.2	356.2	
9	463.9	436.3	406.4	381.1	356.5	332.1	309.7	287.8	267.5	248.8	232.7	216.5	200.2	186.2	
10	244.7	266.0	285.3	307.1	330.4	355.3	381.0	407.1	437.4	468.6	497.9	527.3	556.3	587.7	
11	332.9	336.2	339.4	342.8	345.8	345.6	346.5	346.7	344.8	343.6	339.4	336.0	330.4	324.4	
12	331.3	334.5	335.8	339.0	341.6	341.9	343.7	343.3	342.6	341.1	338.7	335.3	331.0	326.8	
13	335.4	336.5	336.7	339.6	339.9	339.9	340.4	339.8	338.7	337.0	336.4	334.7	331.1	329.7	
14	332.8	335.0	334.9	336.7	338.5	338.3	339.1	339.7	338.7	336.8	334.5	332.1	329.5	327.4	
15	349.5	348.0	344.8	344.1	341.9	338.1	335.4	331.9	327.9	323.7	319.0	316.3	311.3	307.5	
16	341.0	339.3	336.8	336.1	333.7	331.8	329.7	325.9	323.2	320.1	317.8	315.3	313.2	310.4	
17	478.6	451.1	420.3	392.5	365.7	339.5	316.8	294.8	271.3	251.8	235.2	216.6	201.1	186.0	
19	290.0	288.4	286.5	287.4	287.1	286.3	286.7	287.6	285.7	286.9	288.0	289.9	288.4	287.7	
20	291.3	292.0	290.8	292.0	291.7	290.3	290.2	290.6	290.6	291.1	290.3	289.1	288.6	289.1	
21	273.2	273.1	273.5	270.2	269.7	269.9	274.7	276.7	278.0	276.2	275.0	272.0	268.9	265.3	
22	271.1	271.7	273.0	270.6	271.7	274.7	274.9	279.6	280.1	278.8	277.9	274.3	269.4	268.0	
23	233.0	232.3	232.8	234.1	233.5	236.1	234.4	234.9	233.4	233.1	235.0	236.6	238.7	246.6	
24	241.2	243.4	244.6	246.8	247.7	246.9	246.6	243.8	241.1	238.9	238.4	239.9	242.7	242.9	
25	233.3	234.1	232.5	233.2	232.6	232.5	231.3	230.2	229.0	228.0	225.4	225.5	223.8	220.9	
26	226.0	226.4	224.8	225.4	225.3	224.6	224.0	222.9	222.3	220.6	220.1	218.9	219.1	219.8	
43	333.0	342.3	350.8	358.0	363.9	369.8	375.7	378.6	381.4	383.2	383.8	383.1	382.0	377.7	
44	325.7	334.6	340.6	350.2	357.1	363.5	367.0	370.1	371.5	372.5	372.3	373.4	371.9	371.7	
67	217.3	220.1	221.8	226.2	227.5	228.5	229.5	229.0	227.9	229.1	229.6	229.6	231.3	230.3	
68	213.3	215.3	216.7	220.9	224.4	226.6	228.0	227.7	228.5	227.3	226.9	227.9	229.2	231.9	
85	436.1	439.4	441.3	442.3	443.9	440.9	440.4	438.8	436.3	433.2	427.5	420.0	412.0	401.5	
86	446.6	450.8	450.9	451.9	452.5	451.9	451.4	450.0	447.2	442.1	436.9	429.4	421.8	414.2	
87	339.2	361.3	379.7	402.4	422.4	443.4	462.8	483.0	504.9	522.1	541.4	560.5	577.3	594.3	
88	341.5	363.1	383.7	404.0	425.3	446.5	467.1	488.2	511.0	529.6	549.8	568.3	587.2	605.6	
89	182.2	194.8	207.1	222.7	239.2	256.9	275.9	297.5	319.1	343.6	369.0	391.8	417.0	445.6	
90	180.5	194.2	207.5	222.2	239.3	257.8	277.6	299.3	320.8	343.5	368.4	392.6	417.0	445.5	
91	181.6	193.4	207.2	221.7	238.6	256.2	276.0	296.1	319.4	343.7	370.2	394.7	422.5	448.6	
921	498.6	467.6	438.2	410.8	384.8	358.0	334.1	311.0	286.9	266.0	247.9	230.2	214.8	198.6	

Table XLVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 888	R: 889	R: 890	R: 891	R: 892	R: 893	R: 894	R: 895	R: 896	R: 897	R: 898	R: 899	R: 900	R: 901
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	329.7	355.1	377.8	403.8	432.5	460.3	489.9	519.0	554.7	590.2	622.5	655.6	688.0	718.3
93	239.7	259.8	280.7	302.2	324.4	348.7	374.8	402.7	429.9	459.5	489.2	517.1	544.9	575.8
94	323.9	346.9	371.6	399.3	427.0	455.2	487.0	519.7	554.8	588.0	619.9	651.3	679.8	710.4
95	188.8	202.2	215.8	232.5	249.7	268.2	289.5	311.3	334.4	360.2	387.0	413.4	442.9	472.6
125	250.4	250.6	252.2	253.2	252.6	250.1	247.8	244.7	240.3	233.7	229.5	224.3	222.3	218.5
126	262.1	263.5	263.9	264.0	263.2	260.8	258.8	253.5	250.4	245.1	240.6	235.6	229.0	226.6
128	508.8	463.7	416.8	370.6	326.7	290.2	267.0	250.3	235.6	228.0	208.4	198.7	190.6	183.2
132	175.9	183.8	190.3	199.1	210.9	224.1	234.3	248.9	268.3	288.0	307.7	329.3	353.1	377.9
201	909.5	884.6	856.2	826.8	797.0	764.2	733.1	701.4	666.7	633.2	601.6	568.8	536.2	502.9
202	989.3	975.9	958.9	941.3	922.8	900.5	877.9	854.3	826.6	799.4	773.6	745.5	715.5	685.2
203	1014.1	1014.5	1007.6	1004.0	996.5	985.7	970.7	957.9	936.1	915.8	895.2	871.1	842.8	813.7
204	972.7	987.5	994.5	1005.5	1011.7	1014.2	1014.7	1012.9	1004.4	996.5	986.5	972.2	954.2	932.6
205	868.5	895.2	913.4	936.5	956.1	973.7	988.3	1000.6	1007.6	1012.6	1016.1	1014.9	1012.0	1005.8
206	740.6	773.4	800.9	830.4	859.1	885.9	910.9	933.8	953.2	969.4	985.2	997.1	1005.3	1012.3
207	635.3	669.0	697.6	729.6	761.3	790.8	819.3	848.7	875.0	898.2	922.0	942.0	958.4	976.1
208	570.1	600.8	625.0	657.8	687.4	718.0	748.3	777.6	807.1	835.0	861.5	886.6	909.1	930.8
209	788.3	795.0	797.4	801.1	801.7	799.5	796.1	790.3	778.9	768.7	756.8	742.8	727.1	710.9
210	873.7	885.4	888.6	895.0	898.5	898.2	897.5	894.1	883.8	874.3	862.1	847.3	830.9	812.7
211	945.6	957.6	965.0	973.3	979.5	981.4	982.0	979.4	972.4	962.7	951.6	937.1	919.4	899.5
212	950.6	962.7	969.2	978.7	985.0	987.7	988.1	985.3	976.1	967.3	958.0	945.3	928.4	907.7
213	887.2	896.7	900.4	906.5	911.2	911.6	908.8	905.4	897.6	888.3	877.8	865.6	850.3	831.8
214	795.8	802.6	803.1	805.7	807.9	804.6	801.3	795.8	788.1	778.0	767.0	754.3	740.0	725.1
215	482.6	453.6	425.1	398.6	373.4	347.9	324.2	302.5	279.6	259.7	243.4	226.2	211.0	195.1
216	421.5	427.9	434.4	437.9	444.8	446.5	448.2	451.0	449.6	448.6	445.7	442.0	437.7	432.0
217	431.0	439.7	444.2	448.7	452.9	455.4	456.7	456.1	455.0	453.8	449.7	444.7	443.6	438.0
218	329.6	352.4	376.8	403.9	431.0	459.9	489.0	519.7	552.7	587.2	618.9	649.6	681.4	712.4
219	262.9	265.8	267.3	269.9	273.0	275.9	276.6	277.6	274.6	273.3	272.0	271.6	272.1	270.2
220	263.2	266.2	268.5	270.6	273.6	275.3	277.1	277.4	275.1	272.8	271.9	270.9	270.4	270.2
221	222.3	225.2	226.9	227.7	229.9	230.6	230.3	229.4	228.3	229.7	228.3	226.2	225.3	225.8
222	220.5	219.5	220.9	222.3	224.4	224.2	224.6	224.7	224.6	225.0	225.1	225.0	226.3	227.4
223	213.4	217.4	218.4	220.8	222.7	224.3	225.5	225.5	222.6	222.1	221.3	223.4	223.8	223.9
224	213.1	217.0	218.3	219.5	220.3	221.6	221.8	222.0	222.5	222.2	222.4	223.3	224.4	226.8
225	394.1	369.1	344.6	324.4	303.6	283.1	264.4	247.4	230.1	214.7	201.8	189.2	178.8	169.0
226	632.7	603.2	569.2	540.0	512.0	484.5	459.3	433.3	407.2	380.7	353.9	330.0	307.4	287.7
227	708.6	679.5	644.4	613.3	582.2	548.8	514.9	482.1	451.0	424.1	393.8	367.6	342.8	319.6
228	800.5	768.0	731.7	699.4	665.2	627.1	591.0	554.1	512.9	471.6	437.3	405.9	376.8	353.0

Table XLVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 888 Pi	R: 889 Pi	R: 890 Pi	R: 891 Pi	R: 892 Pi	R: 893 Pi	R: 894 Pi	R: 895 Pi	R: 896 Pi	R: 897 Pi	R: 898 Pi	R: 899 Pi	R: 900 Pi	R: 901 Pi
229	414.4	446.1	475.7	507.2	540.2	569.9	601.0	632.2	665.4	697.3	729.5	759.6	789.6	817.1
230	198.1	212.6	228.6	246.4	265.6	285.9	308.4	329.9	355.4	381.6	409.5	435.2	463.2	494.7
231	571.2	570.3	568.4	568.0	565.5	560.7	556.1	550.3	542.5	536.8	529.4	520.3	511.1	500.1
232	714.8	719.1	718.4	718.7	717.6	713.6	708.8	702.3	692.1	681.2	669.6	656.7	642.6	628.2
233	711.0	714.6	710.4	711.8	710.7	705.7	700.0	693.6	684.9	676.1	662.7	651.2	637.6	626.5
234	571.4	572.8	569.3	568.5	566.2	562.4	557.3	551.0	543.8	536.6	527.3	517.6	506.9	497.3
235	248.2	259.7	267.5	276.7	285.5	292.4	297.2	301.4	300.6	300.1	299.8	300.0	300.9	299.1
236	219.2	235.8	252.4	268.5	282.6	297.1	310.2	322.4	334.3	346.5	357.9	369.3	382.3	390.7
237	195.0	208.4	225.1	242.5	260.8	279.5	299.3	316.7	339.4	361.2	385.8	413.9	436.5	462.3
238	191.1	204.5	220.5	238.1	256.0	274.6	295.7	316.7	338.6	362.9	388.9	414.3	444.3	472.6
239	188.2	200.6	214.6	231.8	249.4	268.3	289.8	309.9	332.9	360.1	384.6	412.7	441.7	471.1
240	158.8	167.7	180.8	195.6	209.2	221.9	237.9	254.5	272.5	292.3	310.2	329.2	353.7	378.1
241	165.9	184.7	201.2	216.6	230.8	240.7	251.7	261.7	272.1	283.2	295.6	308.3	315.8	330.0
242	125.7	116.7	107.3	99.7	92.3	85.8	80.0	76.0	70.8	67.1	64.0	61.2	58.8	56.8
243	203.0	191.4	178.9	168.2	157.9	148.4	138.9	130.5	122.0	115.6	110.3	105.4	100.4	95.5
244	374.4	351.6	326.8	306.2	288.1	269.0	251.9	237.4	222.0	209.1	198.9	189.5	181.6	174.4
245	384.3	360.4	337.1	315.9	295.6	275.1	257.7	241.4	225.1	211.3	199.5	188.3	178.3	170.2
246	303.4	300.7	297.9	297.7	295.8	294.8	294.1	292.9	290.0	290.1	286.3	284.0	284.8	284.1
247	258.3	264.1	269.0	273.3	277.5	276.9	278.2	278.5	278.1	275.0	271.1	263.7	258.3	246.2
248	241.7	240.1	237.1	235.4	235.1	233.1	232.0	229.2	225.9	221.6	219.5	216.9	223.6	221.3
249	245.4	245.7	244.0	242.9	242.8	240.3	239.0	235.1	230.7	226.6	223.2	220.5	218.6	216.6
250	201.3	225.5	239.3	247.0	247.1	242.3	234.4	223.3	213.1	201.5	191.0	181.7	168.4	157.4
251	165.7	168.1	167.3	165.2	160.8	157.9	158.7	159.0	158.0	157.8	157.4	157.8	157.3	156.2
252	436.4	465.1	492.9	525.1	561.0	592.3	625.4	657.3	691.0	723.4	755.5	785.5	814.4	842.2

Table XLVIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 903 Pi	R: 904 Pi	R: 905 Pi	R: 906 Pi	R: 907 Pi	R: 908 Pi	R: 909 Pi	R: 910 Pi	R: 911 Pi	R: 912 Pi	R: 913 Pi	R: 914 Pi	R: 915 Pi	R: 916 Pi
2	297.1	319.5	343.5	367.7	394.8	423.7	450.4	478.4	506.6	536.3	566.1	596.5	629.0	660.5
3	362.2	367.3	372.2	376.2	380.4	382.4	384.1	385.0	385.4	384.9	379.6	373.2	370.6	364.8
4	421.6	428.2	435.3	441.0	444.0	447.1	449.8	450.6	449.3	449.8	448.5	444.3	442.0	436.9
5	367.8	369.9	372.1	371.3	372.9	373.1	371.5	369.4	367.5	365.4	360.0	354.9	351.5	347.0
6	431.1	432.7	434.1	434.1	434.1	433.5	431.6	428.8	424.8	421.9	417.9	411.7	408.0	400.4
7	377.9	376.0	376.5	370.8	367.9	364.0	361.0	356.8	351.8	348.8	341.8	335.5	332.7	327.4
8	443.4	441.2	438.3	436.3	432.4	427.4	423.1	417.9	412.0	407.2	401.4	395.3	391.1	384.0
9	461.5	432.1	404.9	379.5	354.9	330.7	309.0	288.3	267.7	249.6	231.4	214.5	200.9	185.5
10	244.0	262.9	282.8	304.8	327.1	352.2	377.8	402.8	429.8	458.7	489.9	518.9	548.8	580.9
11	310.4	314.9	316.2	316.9	317.9	319.2	319.0	319.3	318.8	316.7	314.7	310.0	305.1	297.9
12	357.9	360.6	364.6	367.2	368.0	371.0	370.6	371.3	370.7	369.8	368.4	364.2	359.5	353.9
13	312.8	312.8	313.5	314.5	313.0	313.5	312.7	314.2	312.7	313.2	311.9	310.4	307.3	304.3
14	361.7	362.1	364.1	363.9	365.1	365.8	366.1	365.9	365.7	365.3	362.9	359.1	358.2	354.8
15	325.3	324.4	321.1	318.1	315.3	313.2	309.6	307.6	305.6	301.0	297.8	292.8	287.9	284.3
16	367.5	365.8	364.3	362.2	359.1	357.0	354.5	352.1	348.4	346.8	343.4	339.8	338.2	335.5
17	473.7	446.4	418.4	391.3	366.1	339.8	315.8	291.3	269.9	250.1	241.9	221.6	204.5	188.8
19	269.9	268.6	269.9	268.6	267.8	268.4	268.6	268.7	269.4	270.0	267.5	265.7	263.3	264.3
20	311.6	312.0	312.0	312.6	312.0	312.5	312.0	311.5	310.4	308.6	310.7	310.1	311.3	310.4
21	253.0	252.7	255.1	251.2	250.6	251.2	254.9	257.4	256.8	255.0	251.5	250.9	251.4	250.8
22	291.9	293.2	292.0	289.4	289.1	290.0	293.2	297.8	298.2	298.4	298.3	296.4	294.3	289.9
23	223.8	224.7	227.1	226.2	227.3	228.2	227.9	228.6	225.3	225.2	223.6	224.2	225.7	225.2
24	259.4	261.1	262.7	263.3	262.9	262.9	262.1	260.6	257.4	256.6	254.7	257.1	259.8	260.7
25	214.5	214.8	216.4	215.9	215.2	214.5	213.6	212.7	211.9	209.5	207.8	204.5	202.4	200.0
26	243.9	244.2	243.5	242.4	241.5	240.8	240.9	239.5	237.9	238.3	238.2	238.1	237.4	236.5
43	313.4	319.1	324.7	331.3	336.7	341.3	346.8	348.9	353.5	354.8	356.2	353.7	351.4	345.4
44	350.8	359.7	368.4	374.5	380.7	387.4	392.0	395.8	399.0	403.3	405.6	404.3	399.9	399.1
67	199.6	202.4	205.7	208.8	210.1	211.1	211.9	212.2	212.1	211.1	209.4	209.4	210.3	206.1
68	230.9	233.3	235.0	237.7	239.9	241.2	242.9	244.3	244.4	246.9	247.0	247.3	247.1	250.1
85	403.8	407.4	408.7	410.0	410.7	410.7	408.7	406.6	404.5	398.1	393.7	386.0	377.6	369.6
86	474.6	477.9	479.8	481.3	481.8	482.9	480.4	478.1	475.0	471.4	466.5	460.2	452.9	443.2
87	324.1	342.7	361.8	382.0	402.2	420.8	439.9	458.5	478.2	494.7	510.9	527.0	543.4	561.6
88	355.5	375.2	397.1	418.6	441.5	463.5	484.0	503.8	524.5	544.5	565.5	586.5	605.9	625.1
89	182.4	193.2	206.9	221.4	237.6	253.9	272.4	292.1	313.1	335.1	358.2	381.7	405.9	435.4
90	182.5	195.5	209.4	225.3	242.2	260.4	280.2	301.4	321.7	347.1	369.8	394.1	420.1	447.4
91	182.7	195.0	208.3	222.4	239.2	256.9	275.4	295.8	317.7	340.4	365.3	391.3	417.8	446.7
921	495.7	464.7	436.6	409.5	382.5	357.8	333.1	309.6	289.3	269.0	248.8	230.2	213.5	198.0

Table XLVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 903	R: 904	R: 905	R: 906	R: 907	R: 908	R: 909	R: 910	R: 911	R: 912	R: 913	R: 914	R: 915	R: 916	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	328.5	353.3	377.2	404.3	433.3	460.2	487.8	516.4	549.0	581.5	614.6	647.4	679.7	711.5	
93	238.1	257.1	277.5	299.0	321.1	345.5	369.6	395.7	423.5	449.9	482.0	508.9	538.6	568.1	
94	324.3	347.5	373.6	400.8	430.5	458.3	487.2	518.9	550.0	583.0	613.6	643.4	675.1	706.6	
95	190.0	202.1	216.8	233.4	251.2	270.1	289.3	309.7	333.0	357.2	386.3	411.1	439.6	469.1	
125	237.9	236.5	236.2	237.0	235.6	234.5	231.7	230.1	229.9	228.8	221.5	216.3	214.0	208.8	
126	283.9	285.1	285.6	284.8	282.6	280.0	276.7	271.9	267.0	261.5	256.1	252.5	249.2	243.7	
128	506.7	463.6	417.2	372.0	333.6	304.7	287.7	273.7	264.7	257.4	242.0	235.1	228.8	218.9	
132	172.3	179.7	187.3	197.1	210.3	220.5	231.9	246.5	264.1	282.2	302.9	323.2	343.2	371.2	
201	899.1	877.9	851.0	823.6	793.8	762.5	729.8	697.5	665.8	633.0	600.9	569.1	534.6	501.0	
202	977.5	967.3	953.1	935.6	917.2	895.8	874.1	850.0	825.1	797.8	769.5	742.5	712.8	682.5	
203	1003.4	1004.1	1001.7	997.5	989.4	978.6	965.5	950.3	934.2	912.2	888.3	865.2	839.2	811.1	
204	964.0	977.8	989.0	998.1	1004.0	1006.1	1006.3	1002.4	997.6	990.2	977.0	963.1	946.6	928.8	
205	862.1	887.2	909.2	930.2	950.5	966.6	980.0	989.6	995.8	1002.9	1005.7	1006.0	1005.1	998.9	
206	734.8	766.4	796.5	825.5	853.4	879.2	902.9	923.1	941.5	958.1	973.3	987.7	997.2	1003.3	
207	632.6	664.8	695.1	726.8	758.1	787.0	813.1	839.4	864.4	886.8	909.5	931.6	951.0	969.2	
208	569.0	596.4	623.4	652.9	684.2	713.1	742.7	769.7	798.8	824.0	850.7	876.8	901.8	922.9	
209	755.2	760.5	764.7	766.5	765.5	763.4	759.5	754.8	745.5	736.9	724.4	708.7	693.3	677.6	
210	845.9	853.2	858.6	863.6	866.8	867.3	864.0	859.8	854.2	844.3	833.1	818.8	801.8	786.4	
211	925.0	934.2	945.0	953.5	957.9	959.4	959.3	955.6	950.5	941.6	930.0	918.0	901.3	882.7	
212	955.5	968.6	977.7	985.9	990.8	992.4	992.4	988.5	984.7	977.9	963.9	949.0	934.0	915.6	
213	905.5	914.8	920.9	925.6	929.7	928.2	926.4	922.2	917.0	909.1	897.4	882.0	866.5	849.0	
214	823.2	828.6	831.3	834.5	835.1	831.5	828.6	822.7	815.4	806.0	795.8	780.2	766.1	747.6	
215	477.9	449.7	422.6	396.8	371.2	347.0	323.6	301.2	280.9	261.4	242.3	225.2	209.2	195.0	
216	391.1	396.6	404.8	408.4	412.5	415.2	417.3	417.9	417.2	415.5	411.3	407.0	402.6	398.3	
217	458.3	466.5	471.6	478.3	482.0	483.8	484.8	485.0	483.9	483.4	481.1	476.6	473.1	469.8	
218	324.0	349.1	373.5	400.8	428.1	455.0	484.2	512.2	544.1	576.9	607.1	638.8	671.4	700.1	
219	243.0	246.5	250.6	252.1	254.4	254.6	254.8	255.5	254.3	252.7	249.5	251.1	254.9	253.3	
220	281.7	284.2	286.7	289.7	291.9	293.8	294.9	296.2	295.4	293.8	292.8	292.3	294.3	293.2	
221	204.0	205.9	208.3	210.2	212.8	212.6	213.8	213.3	211.3	209.8	209.1	206.3	205.7	205.4	
222	233.6	233.3	234.7	236.3	237.6	239.8	240.7	241.3	240.2	240.4	240.0	240.7	241.8	240.4	
223	196.6	200.1	203.7	205.7	207.0	208.1	208.3	207.4	206.2	203.7	201.9	201.0	201.2	200.2	
224	222.6	225.9	228.2	231.3	231.7	235.0	235.4	235.6	236.0	237.5	238.0	237.6	238.0	240.4	
225	393.5	366.9	343.2	321.2	300.8	281.6	263.4	246.2	230.6	217.5	202.7	189.5	180.2	170.4	
226	628.0	599.7	568.6	538.2	509.2	483.5	458.4	434.3	409.8	383.4	357.7	331.9	307.5	284.6	
227	703.5	673.6	641.5	610.7	580.0	547.6	512.8	481.2	452.9	427.3	399.0	371.9	344.6	320.9	
228	792.4	762.1	729.6	695.6	661.4	626.7	589.9	551.7	514.2	475.1	442.0	410.1	380.9	355.2	

Table XLVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Orientation ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 903 Pi	R: 904 Pi	R: 905 Pi	R: 906 Pi	R: 907 Pi	R: 908 Pi	R: 909 Pi	R: 910 Pi	R: 911 Pi	R: 912 Pi	R: 913 Pi	R: 914 Pi	R: 915 Pi	R: 916 Pi
229	416.1	445.6	475.1	506.9	538.6	568.1	597.3	627.4	657.2	688.4	721.1	751.3	781.0	811.1
230	198.5	214.2	229.6	246.3	265.3	285.3	306.6	329.3	353.1	378.3	403.8	430.2	457.9	489.9
231	536.1	535.8	534.1	532.3	531.1	527.2	521.3	517.2	511.2	504.5	495.9	486.4	474.1	464.6
232	681.1	684.5	686.3	686.6	685.2	681.3	673.6	668.5	660.5	649.0	636.3	624.8	607.9	592.6
233	739.0	742.2	742.8	741.4	739.8	736.2	729.7	723.1	712.4	704.1	693.3	681.8	666.1	651.3
234	600.5	602.6	601.9	599.4	597.0	593.5	586.6	581.0	572.9	566.4	558.6	549.2	537.7	525.8
235	231.7	242.2	250.9	258.3	265.6	271.0	274.0	275.5	275.7	275.1	273.0	273.0	271.7	269.8
236	211.5	224.6	240.8	255.3	268.7	280.9	291.8	303.4	313.3	323.4	332.0	343.3	352.5	366.7
237	191.9	208.4	224.3	239.3	256.8	273.8	291.4	308.3	326.4	348.7	373.0	397.2	421.1	446.2
238	190.0	204.7	219.4	235.7	253.5	272.1	290.2	310.0	330.4	353.4	382.1	406.1	437.0	460.8
239	188.7	200.6	216.2	232.3	249.7	267.7	286.9	309.2	329.0	353.7	380.7	408.9	435.6	464.5
240	161.1	171.3	179.1	188.8	201.3	214.9	227.7	243.3	260.6	283.3	303.6	326.1	351.1	381.7
241	164.8	181.5	195.5	208.3	220.2	230.2	238.9	247.3	255.5	264.3	273.8	281.8	291.6	300.4
242	120.3	110.6	101.1	93.5	86.6	80.0	74.7	70.3	67.0	63.6	61.0	58.4	58.0	54.9
243	205.0	193.9	181.4	170.3	160.0	150.0	141.9	133.9	126.4	118.3	111.6	105.9	100.5	94.8
244	371.2	350.1	327.2	306.4	287.4	269.3	252.6	237.0	223.0	211.1	199.8	188.6	180.3	171.9
245	383.2	359.6	335.6	312.5	291.9	273.0	255.1	240.3	225.3	211.5	198.6	187.8	178.4	168.9
246	283.5	279.7	277.5	276.4	275.9	274.8	274.4	272.4	271.7	270.1	267.1	265.3	264.7	259.5
247	239.9	246.1	250.4	253.7	255.1	255.8	255.0	255.0	253.5	249.7	246.0	238.4	227.8	219.6
248	230.5	230.8	230.7	228.1	227.9	226.1	224.3	221.8	218.1	213.5	209.5	206.3	204.3	202.3
249	264.5	264.5	262.4	261.1	259.3	257.7	254.9	251.4	246.9	242.8	239.2	236.7	234.5	232.4
250	163.5	190.0	213.4	225.7	233.2	233.1	226.3	216.7	205.9	192.8	181.0	170.1	158.1	146.0
251	154.5	156.9	156.7	156.0	152.9	149.2	148.0	147.2	146.5	145.6	144.4	143.8	144.8	144.3
252	436.0	465.4	494.4	524.4	557.5	590.4	622.3	652.2	684.1	714.0	745.2	776.2	808.1	834.7

Table XLIX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	0.0°	0.0°	0.0°	0.0°
	R: 918 Pi	R: 919 Pi	R: 920 Pi	R: 921 Pi	R: 922 Pi	R: 923 Pi	R: 924 Pi	R: 925 Pi	R: 926 Pi	R: 927 Pi	R: 928 Pi	R: 929 Pi	R: 930 Pi
2	449.7	454.2	453.6	454.2	454.5	454.0	454.4	453.4	453.0	451.3	449.7	446.5	444.1
3	501.3	475.6	460.5	442.3	426.3	422.7	415.2	407.4	401.1	384.7	371.4	357.8	332.6
4	344.9	369.8	381.6	393.3	406.2	415.5	423.1	428.4	436.9	448.3	460.7	476.6	504.9
5	487.6	461.1	446.9	429.3	413.5	409.0	402.4	395.7	387.6	371.4	359.7	346.2	319.9
6	327.8	353.8	364.1	376.7	390.1	396.0	404.1	410.1	417.3	429.9	442.4	457.5	484.3
7	474.4	447.9	434.9	416.2	401.1	397.5	389.9	383.6	376.5	361.2	349.1	336.7	311.6
8	323.8	347.7	357.7	369.4	383.0	388.4	396.1	402.7	408.8	421.9	434.9	449.7	476.4
9	309.4	311.0	310.4	309.9	310.4	309.8	308.5	309.7	309.2	308.4	306.6	304.4	302.3
10	376.6	378.8	380.8	380.4	381.1	381.3	381.1	381.2	379.8	376.9	374.1	375.6	374.8
11	432.0	402.3	385.8	371.2	360.9	353.5	347.3	340.2	334.2	319.1	310.0	299.8	284.1
12	276.6	298.1	310.2	321.9	332.7	336.3	342.2	349.9	356.4	370.0	380.8	392.3	421.2
13	424.5	395.0	378.1	364.2	354.8	347.0	339.6	333.2	327.1	313.7	304.4	293.3	280.9
14	273.4	295.1	307.8	318.3	327.9	332.7	340.3	345.0	352.3	365.2	377.1	388.5	415.6
15	417.8	389.1	372.8	360.0	350.1	343.5	335.2	329.5	323.6	309.6	300.1	289.7	276.9
16	265.9	286.4	299.0	307.9	316.8	321.2	328.6	335.4	341.3	353.5	365.0	377.5	404.6
17	313.1	315.9	316.7	318.3	316.1	316.4	316.6	318.6	317.8	314.8	312.6	311.1	306.8
19	362.0	335.1	325.6	311.7	299.7	292.5	287.4	282.2	280.1	268.4	256.5	247.8	234.3
20	238.9	253.7	262.8	271.2	280.9	286.0	289.9	295.3	299.6	310.2	322.5	334.3	357.6
21	339.4	315.8	303.2	292.2	284.5	279.0	274.0	270.6	266.2	255.9	256.6	246.9	226.1
22	231.9	242.1	249.6	258.7	266.9	270.5	275.2	278.9	284.4	292.6	302.3	313.0	335.3
23	294.5	270.7	261.3	254.0	244.9	240.5	235.3	232.3	228.6	228.2	217.3	208.7	194.8
24	208.2	220.0	225.5	229.2	238.8	241.8	246.3	250.2	253.9	260.7	270.3	278.9	301.5
25	276.8	258.0	247.9	238.6	230.9	226.7	232.1	228.0	223.3	214.2	204.4	196.4	184.6
26	192.1	202.4	209.6	216.6	218.8	220.0	223.5	228.7	232.2	240.1	249.0	256.3	275.6
43	460.8	431.0	414.3	400.7	390.5	381.7	374.1	368.0	364.6	346.9	336.2	326.9	306.1
44	295.3	317.8	330.3	343.3	354.6	359.2	366.2	374.3	378.3	391.2	404.2	417.1	441.8
67	275.4	255.6	246.7	237.9	229.4	225.3	229.1	225.6	221.6	212.1	204.1	196.5	182.3
68	193.9	204.7	212.7	217.6	221.4	223.2	228.2	232.6	236.2	242.2	251.1	259.4	278.3
85	532.4	505.4	486.4	470.2	454.6	444.2	441.3	433.2	425.2	408.9	393.8	381.2	352.7
86	369.1	396.2	407.7	422.0	437.5	445.1	450.3	459.8	463.4	479.5	492.8	507.5	537.0
87	517.3	501.8	490.6	479.5	470.6	465.2	463.3	456.6	449.9	439.7	427.6	417.9	400.4
88	409.2	429.3	437.7	447.0	457.3	462.9	466.8	470.7	473.8	482.8	492.2	501.1	515.4
89	290.0	282.8	281.0	279.8	278.7	277.1	276.0	276.6	275.3	271.9	269.2	267.3	265.4
90	269.1	273.4	271.9	273.5	274.4	276.7	277.6	278.4	278.1	280.3	282.3	283.2	283.5
91	276.7	276.6	275.0	274.8	275.6	275.4	275.0	275.8	274.9	275.7	275.0	272.9	275.1
921	331.2	332.9	334.1	334.0	333.6	333.3	333.2	333.3	333.4	332.0	331.8	329.7	328.1

Table XLIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	0.0°	0.0°	0.0°	0.0°
	R: 918 Pi	R: 919 Pi	R: 920 Pi	R: 921 Pi	R: 922 Pi	R: 923 Pi	R: 924 Pi	R: 925 Pi	R: 926 Pi	R: 927 Pi	R: 928 Pi	R: 929 Pi	R: 930 Pi
922	483.3	487.9	488.5	490.0	491.0	490.5	489.1	489.7	489.7	488.4	488.0	485.0	483.5
93	368.9	372.9	373.9	372.9	373.5	374.2	375.1	374.7	372.8	369.4	368.1	368.0	366.2
94	472.7	479.4	480.3	483.9	486.8	486.1	485.1	486.2	485.7	487.1	486.6	484.8	488.8
95	287.8	289.4	288.4	290.0	289.7	289.1	289.7	288.7	288.9	288.4	289.1	289.4	292.2
125	306.6	287.6	274.8	264.8	257.6	252.8	248.4	244.4	239.4	232.7	231.2	222.0	203.2
126	219.9	234.3	236.3	244.3	252.2	254.8	258.4	262.6	267.6	275.3	283.2	293.3	317.6
128	311.8	263.5	272.8	284.1	269.3	267.2	266.0	264.6	265.9	284.7	280.3	269.8	294.7
132	232.5	235.6	232.7	235.2	237.7	236.5	234.3	234.5	234.5	232.3	231.3	229.9	227.7
201	724.3	730.5	733.0	736.3	735.3	734.0	732.7	732.6	731.5	729.7	726.8	721.3	716.6
202	864.7	872.4	875.0	880.2	880.3	878.1	876.8	878.9	877.4	872.6	870.1	865.1	858.9
203	954.8	962.5	967.3	972.2	972.9	970.6	969.5	972.8	970.7	964.2	963.2	959.6	951.1
204	996.2	1004.4	1009.0	1012.8	1013.9	1013.0	1012.4	1015.6	1011.3	1004.6	1003.6	1000.2	990.1
205	969.4	978.3	982.3	985.9	986.8	986.9	986.9	988.2	984.2	979.1	977.1	975.0	965.6
206	893.0	903.4	905.5	909.2	911.5	909.4	909.3	910.3	906.6	901.9	900.2	898.4	887.7
207	803.4	811.8	814.0	819.1	820.2	818.6	818.1	820.2	816.0	812.7	812.6	810.4	802.1
208	733.6	741.2	744.0	748.4	748.6	747.7	747.1	748.1	745.0	741.8	741.3	737.8	733.7
209	869.2	850.1	838.0	824.5	808.8	802.6	794.9	785.9	776.0	760.2	742.6	722.5	689.9
210	948.4	936.3	926.1	919.7	906.2	900.8	895.8	888.0	879.0	863.8	851.9	835.0	804.5
211	999.5	996.7	993.8	992.2	985.8	982.6	979.6	977.8	970.0	958.2	951.0	941.2	918.4
212	934.8	952.0	964.4	973.6	980.6	982.8	984.8	989.8	992.1	991.4	995.5	998.3	1001.7
213	828.6	854.9	871.7	884.9	897.2	903.2	907.0	913.1	920.2	925.4	933.6	943.6	959.8
214	703.5	734.8	752.2	768.6	785.3	794.1	799.5	806.2	813.9	826.4	837.7	853.1	879.2
215	326.3	326.4	326.6	325.6	325.2	324.6	324.5	323.9	324.5	322.8	321.4	319.3	315.9
216	537.9	510.5	493.5	477.0	461.5	452.4	447.9	440.6	433.8	418.6	400.6	389.1	361.5
217	372.9	398.8	412.6	425.6	441.1	448.5	454.9	463.8	468.1	483.9	498.6	514.2	544.1
218	492.1	492.8	492.5	492.5	491.0	489.9	488.1	489.0	488.3	480.7	479.9	476.9	472.4
219	343.7	319.1	306.4	294.9	286.1	281.3	275.5	272.4	266.9	256.1	252.5	244.5	223.7
220	228.5	241.3	249.3	258.3	268.1	272.8	276.5	280.7	285.5	293.9	303.8	315.4	338.4
221	274.8	257.1	247.3	239.0	239.1	233.7	230.3	226.4	222.5	213.5	204.7	197.2	184.0
222	191.0	203.5	208.3	216.9	222.7	224.5	224.9	227.0	231.5	240.5	247.6	257.1	274.6
223	270.2	252.9	242.3	235.2	233.2	229.6	225.2	221.5	217.7	208.1	199.0	191.8	180.2
224	186.0	199.1	203.7	210.8	219.1	220.4	221.7	223.7	225.9	234.6	243.3	251.8	269.7
225	259.1	262.8	263.4	264.3	263.9	263.8	264.6	265.7	264.8	262.8	261.3	259.8	257.6
226	450.6	456.0	457.1	458.7	459.1	459.2	459.1	458.6	459.8	458.2	456.4	453.9	450.1
227	507.0	512.3	514.2	515.2	515.4	514.3	514.0	514.4	514.7	512.3	510.8	506.5	505.0
228	581.0	588.1	590.9	592.1	592.5	592.6	590.7	591.1	590.3	588.6	587.0	583.4	581.3

Table XLIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	0.0°	0.0°	0.0°	0.0°	
	R: 918	R: 919	R: 920	R: 921	R: 922	R: 923	R: 924	R: 925	R: 926	R: 927	R: 928	R: 929	R: 930	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	592.3	597.3	599.2	600.9	602.3	601.6	600.8	601.1	600.0	596.9	596.4	594.1	591.0	
230	309.2	309.2	308.4	308.8	310.3	309.2	307.7	307.6	307.1	306.9	307.1	305.9	303.9	
231	651.1	625.8	610.2	591.4	573.8	566.1	555.8	548.2	539.8	522.3	504.2	488.4	457.4	
232	789.4	769.3	755.2	740.2	723.6	716.6	708.4	699.0	689.6	675.5	657.2	638.1	605.6	
233	603.2	635.1	650.3	668.1	684.3	692.7	699.5	705.4	712.1	728.7	741.0	755.5	786.2	
234	460.2	491.4	506.4	522.0	540.3	548.7	556.5	562.7	569.1	585.6	600.8	615.4	646.7	
235	364.9	343.7	329.2	317.4	305.0	300.1	297.4	291.4	286.2	274.0	262.3	258.9	234.3	
236	360.6	342.4	332.6	324.6	317.2	311.2	309.7	305.3	301.1	292.7	281.0	278.6	259.1	
237	316.1	312.0	309.1	304.4	303.0	300.7	298.4	297.1	295.0	291.5	285.3	283.4	277.3	
238	306.0	302.2	301.8	298.4	296.7	295.2	294.5	292.9	291.7	289.8	287.2	285.3	282.1	
239	292.1	291.3	289.9	291.0	289.3	289.3	289.0	288.4	288.8	287.0	285.3	284.8	286.0	
240	234.2	230.1	230.9	239.6	240.1	239.9	238.2	236.2	233.4	226.6	228.3	227.6	226.8	
241	279.5	270.6	265.0	257.9	258.8	256.0	253.1	250.3	246.3	239.5	231.3	222.6	208.1	
242	64.2	65.6	70.8	74.9	78.4	79.3	80.9	81.0	80.1	74.6	68.8	63.3	61.6	
243	150.1	143.3	141.2	140.6	139.3	139.1	139.3	139.3	139.1	141.0	141.7	143.9	148.1	
244	252.3	252.1	253.0	253.5	252.5	252.0	251.7	251.8	251.7	252.4	250.6	249.3	250.8	
245	256.3	257.8	259.3	260.0	258.9	258.2	258.2	257.0	256.0	254.4	252.7	250.9	250.3	
246	370.0	341.7	328.7	319.1	305.8	300.6	294.7	289.8	283.6	273.9	264.7	253.2	241.2	
247	348.5	326.1	310.8	298.4	285.6	282.7	278.6	272.3	269.6	256.2	247.2	245.4	221.1	
248	288.2	267.5	258.8	248.8	241.0	235.9	231.7	227.9	232.7	225.5	216.2	206.6	192.6	
249	205.0	218.2	222.8	225.6	231.8	235.1	239.0	244.2	247.3	253.8	260.6	269.1	288.9	
250	262.6	251.4	242.2	244.7	238.4	234.2	234.8	234.6	231.1	225.9	222.8	217.1	207.8	
251	192.6	186.4	178.8	171.4	164.5	161.5	159.0	156.2	153.1	148.0	142.5	139.0	134.1	
252	612.6	618.7	621.8	625.1	626.0	625.4	624.2	624.7	623.6	620.4	618.8	617.9	616.6	

Table L: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 932 Pi	R: 933 Pi
2	511.3	509.1
3	415.7	381.5
4	422.4	452.8
5	397.3	364.0
6	398.4	426.4
7	380.8	347.8
8	386.2	415.1
9	266.6	264.9
10	436.6	432.1
11	343.2	317.2
12	341.5	372.0
13	338.1	313.0
14	337.7	366.3
15	327.2	303.3
16	322.1	350.3
17	272.3	266.9
19	286.8	266.5
20	289.2	313.5
21	278.2	254.6
22	280.0	300.9
23	233.7	222.4
24	240.3	259.2
25	229.5	209.0
26	221.5	239.7
43	382.5	349.1
44	370.9	401.2
67	228.4	209.5
68	227.8	246.1
85	434.2	399.9
86	444.7	477.6
87	503.0	476.2
88	508.0	527.4
89	318.3	313.3
90	320.1	324.4
91	318.2	319.0
921	286.6	285.8

Table L: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R 932 Pi	R 933 Pi
922	552.9	551.1
93	430.5	424.0
94	554.1	553.9
95	333.2	334.7
125	239.4	229.1
126	249.6	269.0
128	235.9	260.9
132	268.3	264.3
201	665.0	659.7
202	825.3	819.2
203	933.4	927.9
204	1002.4	994.7
205	1004.6	996.1
206	950.6	942.4
207	872.3	864.6
208	805.6	798.6
209	778.5	742.4
210	882.8	850.4
211	969.7	947.0
212	973.2	983.0
213	895.4	917.5
214	785.1	817.1
215	279.3	278.1
216	448.7	411.7
217	453.4	488.0
218	552.8	545.9
219	275.2	250.3
220	274.7	297.8
221	229.0	209.9
222	224.4	242.5
223	223.2	204.3
224	222.2	238.4
225	229.3	229.3
226	405.9	404.3
227	450.4	449.1
228	510.7	508.6

Table L: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.00$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 932 Pi	R: 933 Pi
229	663.1	659.5
230	354.6	354.8
231	543.8	507.1
232	691.1	654.3
233	681.8	715.5
234	543.2	575.8
235	301.0	271.1
236	333.6	310.4
237	339.0	327.9
238	338.1	332.6
239	333.1	330.9
240	274.0	264.7
241	273.4	254.1
242	70.7	65.7
243	122.3	124.1
244	222.1	221.8
245	225.0	222.4
246	290.7	268.9
247	277.0	250.5
248	225.3	215.0
249	230.4	247.8
250	212.0	202.4
251	158.2	144.9
252	689.7	684.8

Table LL: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 690 Pi	R: 691 Pi	R: 692 Pi	R: 693 Pi	R: 694 Pi	R: 695 Pi	R: 696 Pi	R: 697 Pi	R: 698 Pi	R: 699 Pi	R: 700 Pi	R: 701 Pi	R: 702 Pi	R: 703 Pi
2	374.0	406.7	441.0	478.5	514.3	551.8	596.5	639.8	687.2	733.1	780.8	828.8	873.1	919.1
3	507.0	516.9	527.6	532.9	542.2	544.0	545.9	549.0	549.7	546.9	543.3	535.8	529.6	523.0
4	509.1	517.3	525.9	533.0	540.6	552.3	556.5	550.5	550.4	547.3	542.2	535.8	530.4	524.8
5	519.9	527.9	532.5	529.0	529.1	528.0	525.4	523.3	518.6	515.0	509.5	502.6	497.1	487.8
6	516.2	519.0	520.4	524.4	524.5	524.8	526.9	519.4	512.8	507.0	500.4	492.8	485.0	477.2
7	532.8	531.6	528.1	521.1	517.9	513.7	507.5	500.2	493.8	486.8	479.6	469.8	463.4	458.4
8	532.7	530.5	526.8	522.8	518.7	515.2	508.4	496.6	490.2	486.3	479.1	471.4	462.3	455.2
9	609.7	570.9	530.4	492.9	456.5	421.0	389.9	359.3	330.7	304.3	280.2	255.3	233.6	215.6
10	296.3	325.8	353.2	385.1	418.4	454.5	489.7	529.8	573.6	615.1	662.8	707.0	752.1	798.1
11	436.1	444.3	453.5	471.5	471.8	469.5	465.8	462.3	460.3	458.0	448.9	435.1	417.8	406.7
12	461.8	461.3	461.8	462.6	465.0	459.1	462.9	454.8	443.8	428.2	411.6	404.5	407.6	420.1
13	435.2	437.9	434.7	442.6	449.0	445.4	444.3	445.7	444.4	444.8	446.3	449.6	447.7	437.9
14	450.7	444.9	442.1	437.8	443.0	430.7	435.1	437.5	437.3	435.8	433.0	425.8	414.7	403.9
15	451.4	449.0	444.3	439.4	436.0	433.4	427.7	423.7	420.1	415.0	411.1	407.3	404.8	406.9
16	430.7	429.3	426.1	422.3	421.1	416.0	413.9	409.3	407.0	402.5	400.0	396.9	395.1	399.3
17	639.7	607.4	566.1	521.9	482.6	444.6	404.7	369.7	330.1	296.2	269.8	245.8	226.6	210.1
19	360.3	361.9	358.7	359.1	361.7	363.2	364.1	364.3	365.0	367.9	367.0	365.4	365.3	366.2
20	348.3	349.2	349.9	350.8	354.7	353.4	352.7	355.2	358.4	358.5	359.0	356.7	355.1	350.2
21	341.7	339.2	339.9	340.4	342.3	343.0	345.8	347.8	348.0	344.5	342.2	340.5	340.5	342.5
22	323.3	323.5	326.8	328.2	329.1	330.2	332.3	334.0	335.9	335.4	330.0	328.5	326.3	325.6
23	298.5	298.7	299.5	298.6	299.2	298.7	296.0	299.8	298.1	299.7	303.0	302.8	301.1	298.6
24	293.8	296.2	294.9	292.9	292.1	292.3	289.3	287.7	285.2	284.9	286.1	287.0	290.1	292.1
25	283.4	286.2	280.7	279.6	275.9	277.7	274.6	274.0	274.3	273.6	273.1	272.3	269.5	268.9
26	268.7	268.3	266.0	265.9	265.5	266.9	265.0	263.8	262.4	260.2	260.8	258.7	259.6	260.1
43	439.8	450.9	453.9	463.9	474.1	482.6	488.9	495.3	499.7	503.8	508.4	506.8	503.6	499.3
44	439.1	434.1	448.5	458.6	463.2	467.8	477.3	485.1	486.5	489.4	491.9	491.0	486.0	483.5
67	261.6	266.3	266.1	269.3	270.3	272.9	272.6	274.2	276.0	279.3	282.0	282.5	282.6	280.8
68	254.2	258.1	260.1	262.2	263.8	269.6	268.6	268.4	269.6	268.0	269.7	270.8	272.3	274.3
85	578.5	583.6	586.1	586.4	586.1	585.9	583.3	581.3	575.5	569.8	561.0	549.5	537.8	525.2
86	582.3	587.5	590.7	593.3	592.6	593.0	592.7	593.4	583.8	576.8	568.8	558.4	549.3	536.6
87	438.2	467.8	495.4	527.5	557.8	585.4	616.6	646.5	677.4	711.1	739.8	765.5	793.8	817.7
88	435.3	463.7	496.1	529.3	559.6	589.5	618.8	649.1	683.4	712.6	741.0	769.0	797.7	825.0
89	207.3	223.7	243.3	264.7	284.4	309.7	338.0	365.8	400.1	435.2	470.3	511.6	549.4	590.0
90	204.6	221.7	242.3	262.6	285.8	311.8	338.7	369.1	401.0	434.8	471.2	508.2	546.4	587.2
91	205.2	221.9	238.7	260.5	283.7	309.4	335.5	365.6	399.8	434.9	472.9	514.5	553.6	594.6
921	658.3	616.7	576.9	535.1	496.1	457.6	420.9	389.2	358.7	330.3	306.8	280.2	257.3	236.4

Table II: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 690	R: 691	R: 692	R: 693	R: 694	R: 695	R: 696	R: 697	R: 698	R: 699	R: 700	R: 701	R: 702	R: 703
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	425.4	457.8	490.8	528.3	567.8	613.9	654.6	698.6	745.7	795.5	847.7	899.8	949.0	996.5
93	289.4	317.3	345.0	376.6	408.6	445.1	481.1	519.0	562.1	605.9	650.6	693.2	736.6	781.3
94	406.9	443.4	477.7	515.5	554.9	598.7	641.5	686.7	739.6	791.6	843.6	893.7	939.7	982.7
95	216.1	234.1	254.8	276.8	301.1	328.2	356.8	388.4	424.5	460.0	498.5	538.8	579.4	623.6
125	312.8	314.5	318.2	318.0	317.7	314.9	308.8	304.0	296.9	292.1	291.3	286.1	285.7	282.3
126	315.6	316.5	317.6	316.6	315.4	312.9	308.6	305.5	299.8	294.8	288.1	281.9	280.6	281.3
128	522.6	465.2	422.1	388.1	360.7	333.3	307.8	288.0	267.3	248.3	233.0	220.5	209.1	198.2
132	189.1	199.0	208.9	223.2	239.4	256.2	279.6	299.4	326.0	355.6	388.7	414.2	451.5	481.4
201	1293.5	1258.1	1218.9	1176.2	1128.9	1079.5	1028.3	980.3	928.9	878.9	828.6	777.8	723.9	684.5
202	1420.3	1404.5	1380.8	1356.0	1324.7	1292.6	1256.5	1219.9	1177.6	1136.7	1091.5	1048.2	1003.0	959.8
203	1459.0	1462.5	1457.6	1448.1	1437.2	1423.0	1402.8	1377.6	1348.5	1316.1	1276.5	1235.7	1196.4	1152.9
204	1394.5	1418.4	1436.5	1449.8	1454.2	1462.2	1462.6	1461.3	1451.6	1438.8	1417.5	1393.2	1358.2	1330.8
205	1230.4	1271.9	1308.6	1341.3	1369.1	1393.8	1416.0	1436.0	1449.3	1459.6	1460.9	1458.7	1453.4	1448.2
206	1031.7	1084.3	1130.8	1176.2	1216.9	1257.2	1294.6	1330.0	1363.0	1389.9	1411.7	1431.8	1442.3	1454.6
207	871.7	922.0	971.3	1018.6	1064.1	1112.8	1154.1	1195.9	1239.0	1278.6	1311.2	1343.9	1362.3	1392.1
208	786.1	825.8	869.6	911.9	953.7	1001.7	1044.2	1089.2	1136.7	1180.1	1213.1	1257.7	1294.3	1321.7
209	1115.2	1125.0	1134.3	1133.2	1133.3	1127.7	1123.4	1116.2	1104.2	1090.2	1069.1	1051.0	1023.5	996.0
210	1244.6	1262.6	1273.8	1278.9	1282.7	1281.8	1280.6	1275.1	1257.1	1248.7	1230.0	1207.7	1184.4	1152.5
211	1350.3	1373.1	1389.6	1401.2	1407.1	1410.8	1413.0	1409.4	1386.5	1383.9	1366.8	1343.1	1318.2	1290.6
212	1355.4	1376.6	1393.0	1401.8	1410.4	1415.2	1415.1	1401.5	1406.5	1391.1	1371.1	1349.5	1308.9	1295.2
213	1254.0	1269.3	1285.1	1289.4	1293.9	1294.5	1292.6	1287.7	1277.6	1260.6	1245.5	1223.4	1198.4	1172.8
214	1107.6	1118.5	1125.4	1128.5	1126.5	1125.3	1118.2	1110.8	1101.3	1082.9	1069.7	1050.3	1027.4	1007.3
215	636.2	596.3	557.8	518.1	480.9	444.5	411.9	380.3	351.5	324.2	298.9	275.0	251.9	232.1
216	554.6	565.3	575.8	583.8	588.6	594.2	597.9	598.3	598.1	595.0	594.0	588.8	582.2	574.8
217	559.5	568.5	579.4	585.3	591.2	596.1	602.4	598.8	598.7	595.5	591.9	587.8	582.1	576.7
218	419.1	456.1	492.9	526.5	566.5	607.8	652.6	697.1	743.6	793.2	842.6	895.5	942.4	986.2
219	323.7	328.6	332.8	337.2	339.3	341.5	344.7	346.8	344.6	345.8	345.0	345.9	344.7	346.8
220	312.4	317.1	321.4	323.5	323.1	329.3	329.6	331.1	330.6	329.7	330.0	329.6	327.3	327.7
221	268.5	270.7	271.9	273.2	273.8	275.0	276.2	277.7	276.8	276.1	275.4	273.4	271.9	276.7
222	253.7	255.4	256.0	257.3	260.3	262.0	263.9	263.6	261.8	263.0	262.6	262.2	263.2	266.7
223	254.1	256.8	261.5	264.1	268.6	269.1	268.0	269.2	269.1	268.1	269.3	270.0	268.4	272.4
224	242.8	244.2	246.4	248.8	252.7	256.8	258.0	259.9	258.9	256.9	257.9	260.4	261.7	265.2
225	499.9	467.2	431.3	396.7	364.9	336.4	312.2	288.4	265.7	248.0	229.2	213.2	198.5	188.4
226	866.8	823.6	780.0	735.5	692.2	653.0	609.7	569.8	530.2	487.5	455.0	418.8	384.0	358.6
227	979.5	934.4	886.0	834.5	780.7	729.9	680.4	638.1	594.0	550.6	511.1	471.2	435.5	405.3
228	1118.6	1069.8	1020.5	966.7	911.0	854.4	791.6	728.8	677.1	627.0	582.8	538.4	512.9	473.1

Table LL: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 690	R: 691	R: 692	R: 693	R: 694	R: 695	R: 696	R: 697	R: 698	R: 699	R: 700	R: 701	R: 702	R: 703
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	552.1	586.9	633.4	680.4	727.1	777.2	822.7	868.1	917.8	967.0	1015.1	1061.7	1106.9	1147.0
230	230.4	250.1	273.0	298.2	324.5	352.9	384.8	417.7	454.5	490.5	530.6	574.1	615.4	656.5
231	784.3	782.3	780.5	778.1	770.7	769.5	758.9	752.0	743.2	732.3	721.8	705.3	687.2	672.3
232	1006.9	1010.5	1013.4	1014.2	1008.4	1001.6	992.7	980.3	970.4	953.2	937.4	915.3	891.4	865.3
233	976.2	981.6	982.9	979.4	975.5	970.3	961.9	952.0	939.8	926.9	911.3	893.9	873.7	855.3
234	769.0	765.2	764.6	763.1	753.0	750.2	743.5	733.8	723.4	713.9	704.1	690.1	674.3	660.2
235	311.3	323.7	335.7	345.6	356.5	365.2	372.1	377.0	381.6	390.1	390.3	392.7	392.9	384.2
236	263.7	287.7	307.8	327.1	348.4	371.2	393.1	413.2	429.8	448.0	468.3	487.3	496.1	516.4
237	225.5	247.8	268.7	290.7	316.5	343.1	370.0	399.5	432.2	467.9	503.2	541.7	579.9	619.3
238	219.4	238.3	259.7	281.7	308.1	336.3	366.6	397.7	434.5	469.6	505.9	544.8	586.0	629.1
239	214.9	231.7	253.3	275.6	300.3	328.0	357.1	387.7	423.4	458.2	494.7	536.4	579.6	622.7
240	175.9	189.9	202.1	217.0	238.4	264.2	285.7	308.9	336.8	363.6	390.8	424.4	462.6	498.9
241	184.6	209.5	232.5	254.6	274.2	294.9	308.5	324.2	341.6	355.8	376.1	393.5	408.6	429.7
242	147.5	131.7	117.2	106.9	99.0	91.2	84.1	81.2	75.1	70.8	66.7	65.5	61.2	60.9
243	283.4	267.2	249.6	234.7	216.6	201.8	185.7	173.1	161.0	150.5	140.4	132.3	122.9	118.4
244	484.9	448.4	414.8	384.3	355.0	327.6	303.8	282.1	260.8	243.1	227.6	213.8	200.3	191.6
245	495.9	458.5	424.6	391.8	361.4	333.0	307.1	285.6	262.0	243.4	225.8	212.3	198.2	188.6
246	405.3	386.6	364.8	351.2	339.2	344.8	363.8	366.5	364.4	362.3	358.2	357.7	357.5	355.1
247	320.5	326.7	334.8	342.8	345.8	348.4	348.7	349.5	348.5	345.0	341.0	332.1	323.6	309.9
248	307.2	308.0	303.7	301.1	299.2	297.6	293.5	290.7	284.7	280.5	277.7	272.3	267.2	265.0
249	296.6	296.9	295.4	291.5	289.9	286.9	284.9	281.2	275.3	269.1	266.3	267.7	260.7	255.4
250	254.1	282.5	294.4	297.9	291.5	281.9	270.5	257.2	246.6	234.0	225.0	215.5	197.8	186.6
251	191.5	192.0	186.8	184.4	185.0	184.2	184.3	184.6	184.1	183.5	183.3	182.9	185.6	188.0
252	586.2	622.6	664.5	708.2	753.3	807.3	854.6	905.6	956.2	1005.4	1055.4	1102.2	1144.9	1185.5

Table LII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 544 Pi	R: 545 Pi	R: 546 Pi	R: 547 Pi	R: 548 Pi	R: 549 Pi	R: 550 Pi	R: 551 Pi	R: 558 Pi	R: 553 Pi	R: 559 Pi	R: 560 Pi	R: 556 Pi	R: 557 Pi
2	251.3	274.4	297.7	323.0	348.4	375.6	404.8	431.6	459.2	489.2	518.5	549.8	579.8	612.9
3	369.9	375.1	382.2	388.8	392.4	394.2	395.7	397.3	398.4	397.7	396.4	393.9	390.8	385.0
4	320.0	326.7	332.6	336.3	338.3	342.7	345.0	345.7	343.5	342.9	340.0	336.7	332.1	328.9
5	379.6	380.7	382.7	385.0	384.1	382.8	381.2	378.1	376.9	374.3	371.8	368.1	365.5	359.5
6	324.9	327.3	327.6	328.1	327.7	328.1	326.4	326.4	321.4	319.6	314.6	309.7	304.6	300.6
7	389.3	387.7	385.0	382.4	377.3	371.8	367.1	362.4	358.9	354.9	349.6	346.4	342.3	335.9
8	335.1	334.0	331.0	328.0	325.9	321.7	319.3	315.9	310.8	307.3	302.6	297.3	292.5	287.7
9	410.0	382.9	355.3	330.5	306.6	282.9	261.8	243.0	224.2	207.3	189.9	174.4	160.8	149.5
10	201.8	218.9	238.3	260.0	281.7	306.1	330.9	354.6	379.2	407.8	437.4	469.2	499.3	533.5
11	350.2	349.0	349.4	348.9	348.2	345.0	342.3	341.4	340.5	336.8	331.0	324.6	320.9	320.9
12	291.8	294.0	292.7	293.4	292.5	283.1	288.9	287.2	284.4	280.4	277.1	270.0	266.1	264.2
13	339.8	338.2	334.8	333.2	332.1	329.1	327.8	327.1	328.0	328.6	327.9	324.9	321.0	317.6
14	283.7	282.4	280.0	279.6	277.3	269.7	274.0	276.2	273.9	274.3	272.7	268.7	263.8	260.8
15	330.2	329.1	326.3	322.8	320.3	318.2	313.1	310.2	307.7	305.7	303.2	299.7	296.8	296.0
16	269.9	270.3	268.0	266.0	264.5	262.4	260.5	258.3	257.5	254.6	253.2	250.5	247.2	245.9
17	420.7	390.4	361.8	334.3	308.5	282.0	259.7	239.3	220.8	205.1	192.2	175.6	161.6	147.7
19	261.0	263.9	263.0	262.6	262.3	262.8	262.5	262.0	263.1	263.6	264.6	265.6	266.0	264.7
20	216.8	219.9	220.5	221.0	221.7	221.1	221.3	222.4	222.1	224.0	222.6	220.1	217.4	214.1
21	244.7	243.7	243.9	244.0	244.3	245.1	246.9	247.1	248.8	248.9	249.3	247.5	246.1	245.4
22	203.6	205.0	205.7	206.9	208.5	209.5	210.9	212.1	212.8	211.2	208.5	205.9	203.5	202.9
23	209.6	208.5	208.7	209.1	209.1	209.4	208.6	210.9	210.4	211.7	212.9	214.7	215.7	219.3
24	181.2	182.9	183.2	184.2	184.7	184.4	184.0	182.2	180.3	179.1	178.7	178.9	179.3	179.5
25	204.2	203.3	200.7	200.5	199.2	199.2	198.9	198.9	198.9	199.9	202.1	203.2	203.0	202.6
26	164.6	165.9	165.6	165.9	166.2	165.9	165.5	164.8	163.2	162.7	162.1	161.2	160.8	160.2
43	328.1	329.5	336.0	340.9	347.2	352.3	357.5	362.9	367.2	371.2	373.4	373.7	370.6	368.6
44	274.2	277.2	280.9	286.3	290.7	292.3	301.0	303.6	303.2	303.9	305.5	305.7	301.7	301.1
67	190.7	192.0	193.4	195.0	196.3	196.1	198.0	199.4	200.8	202.7	205.2	209.4	212.2	212.7
68	156.6	159.1	161.7	163.0	164.7	166.4	167.9	168.5	167.5	167.6	169.5	170.0	167.9	167.6
85	419.8	421.1	424.6	425.1	424.0	423.2	421.4	420.4	418.3	415.5	409.7	402.6	395.4	388.7
86	365.9	367.7	369.6	370.3	370.0	369.7	368.8	369.4	364.3	360.1	355.9	351.3	345.5	338.3
87	310.1	330.3	351.1	371.7	391.5	413.1	434.1	452.1	472.1	495.0	516.0	534.8	553.4	573.0
88	281.3	300.4	318.7	339.8	357.4	378.4	398.3	416.6	434.7	454.7	472.2	491.3	510.4	528.0
89	141.3	153.0	167.1	180.8	195.2	212.9	231.2	250.0	270.1	292.5	315.0	340.4	367.3	397.1
90	140.0	150.0	161.8	175.1	190.5	207.0	224.8	242.5	262.5	285.2	309.5	334.4	359.4	387.5
91	139.1	150.4	163.2	177.0	192.1	209.1	228.1	246.8	267.1	291.0	314.7	339.7	366.9	395.3
921	444.8	412.8	386.7	359.8	334.3	309.4	286.9	266.0	246.3	227.2	208.1	191.5	176.3	162.0

Table LII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 544	R: 545	R: 546	R: 547	R: 548	R: 549	R: 550	R: 551	R: 558	R: 553	R: 559	R: 560	R: 556	R: 557
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	287.2	311.9	335.8	360.8	385.7	414.4	442.0	467.3	497.2	529.8	562.7	596.9	629.5	662.3
93	196.8	212.9	233.1	253.4	275.0	298.6	322.9	346.2	370.7	399.4	428.9	459.4	490.4	523.2
94	274.3	299.4	323.8	349.6	376.3	403.4	431.6	461.0	490.1	525.5	557.8	590.4	621.2	652.9
95	147.1	158.1	172.3	187.1	203.0	221.4	240.5	259.6	280.9	304.9	331.9	358.4	385.0	414.4
125	225.5	227.4	229.0	228.5	226.3	223.7	219.7	214.5	211.5	210.4	206.6	204.2	201.5	201.8
126	194.3	196.0	197.6	198.7	198.6	198.1	196.1	193.7	189.8	186.9	183.0	178.8	175.5	174.5
128	352.6	311.0	283.5	260.2	240.3	222.4	206.4	192.1	179.2	167.5	158.0	150.6	142.7	135.4
132	129.1	135.5	143.4	151.9	162.1	174.6	188.2	202.9	218.4	237.0	253.2	279.6	298.4	322.4
201	870.2	845.8	818.6	790.1	758.4	727.1	695.2	666.2	635.6	604.3	572.7	539.7	505.1	471.4
202	956.0	943.4	928.2	911.9	890.3	869.5	846.4	822.4	799.0	773.6	745.2	718.4	686.7	653.9
203	983.3	983.8	981.7	974.9	965.8	955.4	942.5	925.5	909.5	892.1	866.7	845.8	816.0	784.4
204	942.4	957.3	968.3	976.8	981.1	985.2	984.7	982.1	978.0	970.4	958.4	947.7	927.9	907.9
205	833.2	857.1	883.1	903.5	922.6	940.4	955.3	965.2	974.9	981.5	984.7	987.5	982.9	977.5
206	698.7	730.1	763.4	792.9	820.2	847.2	870.6	893.0	912.1	930.8	946.3	964.3	972.0	978.8
207	590.5	622.3	655.1	686.3	717.1	748.8	776.3	802.5	827.7	853.2	875.5	901.6	918.9	934.5
208	529.9	556.8	585.6	614.1	642.5	674.1	703.3	730.2	757.7	786.3	812.5	841.0	863.0	886.1
209	779.6	786.2	788.6	790.4	789.5	788.5	783.2	777.1	770.3	762.7	752.8	739.9	724.7	707.8
210	862.9	873.6	878.7	882.6	884.5	883.7	880.4	876.1	872.2	865.8	855.8	843.2	826.4	807.7
211	926.1	938.8	948.1	956.5	959.8	961.0	959.7	957.6	953.8	947.2	938.6	926.9	906.6	889.4
212	904.0	916.6	925.0	933.0	938.7	942.4	943.1	941.6	935.3	927.4	915.4	903.0	884.4	866.5
213	822.5	831.4	839.2	843.9	847.1	848.9	848.8	845.4	838.9	831.7	818.6	805.8	789.8	773.4
214	715.1	721.0	725.0	728.5	728.5	728.6	727.1	722.1	713.6	705.1	693.8	683.2	667.5	653.2
215	431.3	402.4	376.4	350.1	325.4	302.4	279.5	259.5	241.0	221.3	203.9	187.7	172.7	159.1
216	404.0	411.0	417.7	422.2	425.2	428.2	430.0	427.9	433.1	433.2	430.4	427.7	425.0	421.0
217														
218	285.8	310.3	335.9	360.3	385.4	414.1	442.2	469.6	498.6	530.3	564.2	597.3	629.8	662.7
219	236.8	239.6	241.8	245.2	247.2	247.5	249.7	249.9	250.5	252.6	252.6	253.2	253.4	253.5
220	197.3	201.1	203.4	205.3	206.5	208.9	211.0	210.4	209.5	208.2	206.5	205.8	203.8	202.6
221	196.7	197.7	198.7	200.4	201.1	201.5	204.4	203.5	203.6	205.3	205.1	203.9	204.4	206.1
222	156.3	158.4	159.5	160.8	162.4	163.2	164.0	164.3	163.9	162.5	161.9	160.6	162.3	164.0
223	185.4	188.0	190.1	193.7	195.4	196.4	196.7	197.5	197.9	198.8	199.7	201.0	203.3	203.0
224	151.2	153.6	155.4	155.8	158.1	159.4	160.7	160.9	159.7	158.4	159.3	160.1	160.0	160.2
225	337.0	313.1	289.5	267.4	247.4	228.9	211.7	196.7	183.1	169.5	156.9	146.7	138.2	130.4
226	583.7	555.3	525.4	495.6	466.2	439.8	414.5	388.6	363.7	338.3	311.5	284.5	264.6	242.9
227	659.8	629.0	597.8	564.4	529.4	496.5	464.5	436.9	409.5	382.8	354.6	325.1	302.4	277.6
228	752.3	720.4	686.6	652.3	614.8	578.9	541.7	502.8	468.0	437.5	407.3	375.7	348.7	323.4

Table LII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 544 Pi	R: 545 Pi	R: 546 Pi	R: 547 Pi	R: 548 Pi	R: 549 Pi	R: 550 Pi	R: 551 Pi	R: 552 Pi	R: 553 Pi	R: 554 Pi	R: 555 Pi	R: 556 Pi	R: 557 Pi
229	373.5	400.4	428.9	458.8	490.8	523.6	553.4	582.0	610.7	642.4	673.4	704.3	736.0	764.9
230	155.8	170.5	185.4	202.3	220.3	239.4	260.3	280.0	301.6	326.4	352.1	379.8	408.3	437.9
231	557.3	557.1	556.8	553.9	549.3	544.7	538.8	534.1	527.9	522.1	515.5	504.9	495.8	483.4
232	706.8	709.3	709.9	709.1	705.9	703.0	697.2	689.2	682.3	673.8	662.5	649.1	635.4	619.1
233	626.2	629.0	629.8	629.9	627.0	624.0	621.3	614.3	607.0	596.4	584.2	573.3	560.4	548.3
234	483.9	484.5	483.6	482.3	478.0	475.3	471.5	465.7	458.9	450.4	442.1	433.2	425.3	415.4
235	222.6	231.0	239.3	248.2	256.7	262.7	269.4	272.6	276.1	279.8	282.2	284.1	285.5	290.2
236	184.7	201.1	215.7	229.8	245.1	261.1	274.9	287.5	301.7	316.6	330.8	342.9	354.5	365.5
237	154.3	170.0	183.9	199.5	218.8	237.1	255.3	273.3	293.2	316.3	340.3	364.7	392.0	419.8
238	150.1	162.9	177.3	193.3	210.7	230.2	249.2	269.7	291.4	315.6	342.3	368.4	395.3	424.8
239	145.8	159.0	171.8	187.6	204.2	222.7	242.2	261.4	282.8	306.3	331.8	360.5	387.5	417.3
240	118.6	127.1	135.6	145.6	157.5	177.2	193.2	208.2	225.5	246.4	267.5	289.3	314.2	340.5
241	125.4	145.3	160.3	177.7	192.3	208.1	218.9	230.0	243.7	256.8	271.5	282.7	294.2	306.1
242	91.4	82.1	73.8	68.0	62.0	57.4	54.0	51.5	49.2	46.8	45.4	44.0	43.0	42.4
243	188.7	177.6	167.1	157.2	146.9	136.5	127.0	118.0	109.6	101.7	94.3	88.1	83.1	78.1
244	323.8	299.4	277.8	256.6	237.1	219.5	203.1	189.7	176.9	165.0	154.4	144.4	135.5	128.7
245	333.4	308.3	285.4	264.2	243.9	224.5	207.4	192.6	179.3	166.5	155.1	145.3	135.7	127.7
246	286.9	277.3	265.7	255.3	248.4	257.9	262.9	263.3	263.8	263.3	262.7	260.4	259.4	261.1
247	227.4	233.7	239.0	242.7	247.6	249.0	250.4	250.5	252.0	251.6	250.3	248.4	243.4	234.7
248	220.2	218.1	217.4	216.3	212.8	211.9	210.5	206.1	203.9	201.4	199.9	198.3	196.6	195.9
249	183.3	183.0	183.3	182.6	181.5	180.5	179.7	177.2	173.7	169.7	166.6	166.7	163.0	159.7
250	204.2	213.6	216.2	213.4	209.0	196.4	190.7	184.5	179.2	173.0	165.8	160.3	148.4	141.2
251	141.7	139.1	137.1	136.4	136.8	136.8	136.5	135.1	135.7	136.4	136.7	137.3	138.6	140.9
252	396.7	423.5	450.3	478.7	508.3	542.5	574.9	605.1	635.8	668.4	699.4	731.6	760.9	790.8

Table LIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 528 Pi	R: 543 Pi	R: 530 Pi	R: 531 Pi	R: 532 Pi	R: 533 Pi	R: 534 Pi	R: 535 Pi	R: 542 Pi	R: 537 Pi	R: 538 Pi	R: 539 Pi	R: 540 Pi	R: 541 Pi
2	251.2	273.5	297.2	321.9	347.1	373.1	400.9	429.9	460.9	493.5	523.8	553.7	583.5	613.6
3	339.5	346.8	353.4	359.1	361.7	365.4	367.4	368.5	368.8	366.6	365.4	360.2	354.1	351.2
4	345.9	350.3	355.2	360.3	365.1	369.4	372.5	370.9	371.0	369.7	367.7	363.2	359.2	354.4
5	349.2	351.7	352.8	354.0	354.2	353.8	352.6	350.7	347.7	344.5	341.2	336.4	333.2	327.6
6	350.2	352.4	351.9	353.0	353.6	352.7	351.2	349.4	345.7	343.3	338.1	334.3	327.9	322.5
7	358.5	358.1	355.0	352.0	348.5	343.8	340.6	336.5	332.5	327.5	322.1	316.3	311.8	306.7
8	360.2	360.2	356.1	354.1	350.6	346.7	343.8	338.5	333.5	329.5	324.3	319.6	314.1	308.9
9	408.5	382.7	354.9	329.7	306.1	282.1	261.0	243.1	222.3	205.4	188.2	173.1	158.4	146.2
10	200.2	219.3	238.5	259.1	281.3	304.7	330.3	355.0	384.1	412.7	442.4	472.2	500.2	532.1
11	321.0	322.4	318.1	318.2	318.1	315.3	313.1	311.6	309.8	307.0	302.3	296.8	291.1	291.4
12	314.8	317.0	315.8	316.3	314.6	312.4	311.4	308.7	305.6	300.6	298.5	294.1	292.3	290.6
13	311.4	308.4	305.0	304.1	302.3	300.7	298.0	298.4	299.2	298.1	299.3	297.8	295.2	291.4
14	306.1	305.6	301.6	302.1	301.0	296.8	293.1	295.9	296.0	295.2	292.5	289.8	286.1	284.0
15	302.0	301.8	298.4	296.2	293.4	290.2	286.4	283.3	280.2	278.2	276.3	273.3	271.3	269.8
16	291.9	290.8	287.5	286.9	284.1	282.2	279.6	276.3	275.4	272.6	271.2	269.3	268.8	268.8
17	423.1	395.5	365.5	337.3	311.6	285.5	262.8	240.1	218.1	198.9	181.5	167.2	154.2	145.4
19	241.4	244.6	242.3	242.1	243.0	242.9	242.4	243.6	243.1	243.8	243.8	244.1	244.2	244.2
20	235.9	238.7	238.1	239.3	239.9	239.0	239.3	241.4	241.0	242.4	242.6	241.2	240.6	237.0
21	226.2	226.6	227.4	228.5	228.2	229.8	230.6	232.1	232.4	230.4	229.1	227.0	227.2	229.1
22	220.1	221.1	220.8	221.9	222.4	224.6	224.7	226.4	227.2	226.0	224.4	222.5	221.3	221.2
23	197.3	197.8	198.3	198.9	198.0	198.3	197.7	199.8	198.7	199.7	202.2	202.7	200.8	199.6
24	198.6	200.5	199.2	199.0	197.9	197.0	195.7	194.7	193.6	194.1	195.0	196.6	197.5	197.0
25	190.2	191.3	189.9	188.7	186.0	185.5	184.2	184.2	184.4	183.8	183.8	183.8	183.3	181.4
26	182.3	182.6	181.5	181.6	180.8	180.7	179.9	178.2	178.0	176.9	175.9	176.1	175.5	177.2
43	300.4	301.8	305.5	311.8	318.1	323.3	327.6	332.6	336.0	337.6	340.0	340.2	336.8	334.1
44	295.6	300.2	304.4	311.2	317.1	318.1	326.1	328.8	331.0	331.9	332.1	332.7	331.0	328.3
67	176.4	179.5	180.1	181.4	182.3	183.3	183.3	182.9	184.2	186.2	187.8	190.7	190.3	189.1
68	171.2	174.8	176.5	178.4	179.2	180.8	181.5	181.5	181.6	181.6	182.7	184.8	186.1	186.0
85	388.8	390.9	390.5	392.7	392.4	391.8	390.8	389.3	386.6	381.6	376.7	370.1	361.0	352.9
86	393.6	397.0	398.2	399.0	398.6	398.7	397.4	396.5	393.0	388.9	383.1	378.2	370.8	363.3
87	294.3	314.2	333.1	355.5	373.5	393.9	413.7	434.5	455.4	474.4	495.5	511.1	529.5	543.0
88	294.2	314.8	333.4	355.2	374.9	395.8	417.2	436.2	457.4	478.7	497.2	517.4	537.0	554.7
89	141.8	152.0	162.3	177.1	191.5	208.8	227.1	246.4	267.9	291.2	315.8	341.9	367.9	393.8
90	141.8	151.8	163.6	177.9	193.2	210.8	228.7	248.4	269.9	292.4	317.0	341.0	367.2	395.8
91	138.7	149.1	162.2	176.0	190.6	207.2	225.9	246.0	267.7	292.0	316.5	343.0	369.1	398.7
921	442.2	413.3	384.5	357.8	331.5	307.5	283.5	263.0	243.0	223.8	206.8	190.8	174.8	161.1

Table LIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 528	R: 543	R: 530	R: 531	R: 532	R: 533	R: 534	R: 535	R: 542	R: 537	R: 538	R: 539	R: 540	R: 541
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	285.3	309.2	333.5	357.8	384.3	410.9	438.8	468.4	500.3	532.7	567.4	601.5	634.7	664.4
93	196.2	213.1	232.3	253.2	273.6	297.8	322.5	347.9	375.8	404.0	433.3	461.5	491.3	521.7
94	276.2	300.5	322.9	348.6	374.9	403.4	432.5	462.2	496.3	530.3	565.3	597.2	628.4	657.6
95	147.4	158.8	171.7	187.4	202.7	220.7	240.3	260.4	283.4	308.5	333.6	359.9	387.8	415.8
125	208.2	209.5	212.4	213.3	210.8	208.5	205.5	201.7	197.1	195.0	195.2	191.9	190.7	189.4
126	214.0	213.8	214.6	215.1	213.3	211.6	208.7	205.3	202.1	198.4	194.2	191.1	189.7	190.8
128	339.4	305.3	278.0	257.1	237.6	220.7	204.8	190.2	176.8	165.6	156.4	148.2	140.7	134.7
132	129.8	135.9	143.0	151.7	161.4	174.4	187.2	201.3	219.9	239.5	258.5	277.9	302.6	322.0
201	870.9	844.9	814.7	786.7	758.2	725.1	693.4	660.2	626.7	593.5	561.8	530.1	495.1	465.8
202	958.2	944.7	927.7	910.0	891.5	868.5	847.6	819.3	793.0	764.9	735.0	706.7	676.7	648.5
203	984.5	986.3	982.6	976.7	968.6	955.0	945.2	925.3	906.8	884.2	860.1	833.9	806.8	780.3
204	941.7	957.8	968.0	978.9	984.2	985.7	987.8	980.2	975.4	965.8	953.5	938.8	919.9	903.1
205	830.9	858.6	880.6	904.9	924.8	942.1	959.5	965.2	975.6	980.0	981.6	981.6	978.0	972.1
206	694.6	728.0	759.1	790.7	820.2	846.7	874.0	894.2	916.1	933.0	947.8	960.4	969.7	974.5
207	587.4	622.0	652.7	685.3	717.3	747.7	778.4	804.7	833.5	856.8	880.0	900.0	919.0	932.4
208	527.8	555.1	582.8	613.5	642.4	671.7	703.0	731.3	762.8	789.9	816.7	841.9	865.2	885.0
209	749.3	755.5	758.6	761.5	760.4	757.8	755.7	748.1	739.5	729.5	717.0	702.7	687.6	670.3
210	838.3	849.5	854.0	860.2	863.0	863.1	862.1	854.4	848.2	837.0	825.7	809.6	795.1	777.3
211	913.0	925.7	934.6	943.8	950.4	951.1	953.1	946.1	939.8	929.1	917.9	900.7	886.9	869.3
212	915.2	931.9	941.1	949.3	955.1	956.1	958.1	951.8	947.8	936.4	923.7	907.5	893.4	874.5
213	846.6	858.3	864.0	870.2	872.9	873.0	872.5	865.9	859.8	850.9	838.0	823.1	808.9	791.9
214	747.6	754.0	756.9	759.9	761.4	758.3	755.7	748.2	741.0	732.6	721.8	708.9	695.6	679.6
215	428.6	402.3	373.2	347.8	323.6	299.2	275.9	255.8	237.4	218.7	202.0	186.0	170.7	156.3
216	373.5	382.1	385.4	390.5	394.5	397.5	400.8	401.1	401.9	400.8	398.2	394.9	390.6	385.0
217														
218	282.2	308.3	331.9	355.0	382.2	409.9	438.5	466.5	498.7	531.0	564.6	598.4	629.0	657.5
219	219.6	223.1	226.8	228.6	229.5	230.5	232.6	232.3	233.1	233.7	232.9	233.3	233.9	234.3
220	211.9	215.6	217.4	220.1	221.3	223.4	224.2	224.2	224.0	223.7	222.2	222.8	222.4	222.7
221	179.7	181.7	182.6	184.0	184.3	184.4	185.2	186.2	186.0	186.0	185.4	184.1	183.9	185.8
222	170.8	172.1	173.4	174.8	175.7	176.8	177.7	177.4	177.5	178.2	177.6	177.5	178.1	180.6
223	170.8	172.7	175.9	178.6	180.1	181.3	181.5	182.0	181.0	180.4	180.5	181.9	182.2	182.0
224	163.5	165.7	167.4	168.4	171.8	173.3	174.5	175.2	175.2	174.2	174.1	176.2	177.3	178.0
225	338.4	315.6	290.3	269.1	249.7	229.8	211.7	195.4	181.0	167.5	155.9	145.5	136.8	129.3
226	581.1	552.2	521.1	492.6	466.5	437.4	408.5	383.9	356.0	330.9	306.4	285.7	262.6	243.1
227	658.7	626.8	594.1	561.3	527.3	491.8	459.6	431.5	401.3	373.0	346.7	321.4	299.1	277.5
228	751.1	718.1	683.6	650.0	613.6	575.1	534.9	496.8	458.3	426.4	395.4	367.7	342.5	322.3

Table LIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R 528 Pi	R 543 Pi	R 530 Pi	R 531 Pi	R 532 Pi	R 533 Pi	R 534 Pi	R 535 Pi	R 542 Pi	R 537 Pi	R 538 Pi	R 539 Pi	R 540 Pi	R 541 Pi	
229	371.3	396.0	425.8	457.8	490.1	520.6	551.5	582.0	614.0	646.8	678.5	710.3	739.6	765.9	
230	155.2	169.0	184.3	200.8	218.5	237.8	258.8	280.3	304.7	329.6	354.9	382.5	409.1	438.2	
231	520.9	519.0	518.4	516.9	514.2	508.2	504.0	501.0	493.8	488.1	480.4	469.8	459.9	448.3	
232	675.3	676.7	677.9	677.4	676.5	670.1	666.4	658.4	649.2	638.7	626.3	612.9	599.0	582.4	
233	659.3	661.4	660.6	660.2	658.6	653.8	649.8	642.0	633.7	625.7	614.7	604.7	591.6	577.5	
234	519.0	518.4	515.8	515.2	512.0	507.0	501.0	497.0	490.4	483.7	474.6	466.8	456.9	446.3	
235	208.9	217.2	224.6	231.2	238.2	244.1	247.7	252.3	254.2	257.5	260.3	262.6	262.1	257.9	
236	178.6	193.2	205.9	219.1	235.0	248.7	261.6	274.4	287.5	299.6	311.2	323.4	331.3	344.2	
237	153.0	165.8	179.7	197.0	212.9	230.3	248.4	267.4	289.5	312.9	335.3	360.0	387.3	414.1	
238	147.2	160.5	175.1	191.1	207.5	225.8	245.2	265.2	289.1	313.4	337.8	364.3	391.5	419.4	
239	145.8	157.3	170.8	185.9	202.0	220.4	239.2	259.3	283.0	307.1	332.1	358.8	386.2	415.4	
240	119.7	129.2	140.4	153.5	165.2	177.8	193.4	210.3	229.9	249.0	270.6	295.1	317.0	341.9	
241	126.6	142.1	157.3	171.8	184.2	196.2	206.0	216.6	227.2	237.4	248.4	260.2	273.5	283.5	
242	101.1	90.2	81.2	74.1	67.2	61.6	56.7	54.2	51.2	49.2	47.1	46.1	44.3	43.0	
243	190.2	179.5	167.4	157.9	146.2	135.1	124.8	116.7	108.4	101.5	94.7	89.4	83.9	79.2	
244	322.3	300.2	275.7	256.3	236.8	218.5	202.3	188.2	174.1	162.2	151.7	143.3	135.1	128.6	
245	331.8	309.0	284.2	263.5	242.6	223.2	206.0	190.4	175.8	163.5	152.4	142.9	134.3	126.7	
246	268.5	259.3	249.5	239.6	229.8	229.8	238.5	241.6	241.6	241.6	240.3	239.4	239.8	239.0	
247	213.1	218.8	222.8	227.5	230.1	231.6	232.6	233.1	234.0	230.7	227.6	222.9	215.6	206.4	
248	208.3	208.0	205.3	203.4	202.2	200.1	198.8	195.9	193.0	190.4	187.7	184.2	181.4	179.4	
249	201.0	200.9	200.1	198.2	196.3	194.9	193.2	190.7	186.8	183.5	181.2	182.8	177.5	174.1	
250	172.1	188.8	197.5	199.2	194.4	188.7	177.2	172.4	166.1	158.6	152.7	147.2	134.6	127.2	
251	130.6	130.1	126.7	125.1	124.2	123.6	124.1	124.5	123.6	123.7	124.2	124.3	126.0	126.6	
252	395.3	420.5	447.2	477.1	508.6	540.5	574.2	606.8	640.7	672.8	704.8	735.2	764.4	791.6	

Table LIV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 561	R 576	R 563	R 564	R 565	R 577	R 578	R 568	R 575	R 570	R 571	R 579	R 573	R 574
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	251.0	272.3	295.4	319.4	344.5	372.7	400.1	428.9	456.1	487.3	518.1	548.7	578.8	608.8
3	317.2	321.1	327.6	332.7	336.1	337.7	340.1	340.6	341.3	337.1	333.9	333.5	330.1	324.2
4	368.8	374.1	380.5	387.0	388.1	393.7	395.9	396.3	395.9	396.3	395.4	391.7	388.4	384.9
5	322.9	323.8	326.1	328.0	328.8	328.0	326.8	325.2	322.7	319.0	316.7	313.5	309.3	303.9
6	376.0	377.8	378.9	379.1	378.8	377.8	377.9	373.6	371.9	368.9	362.7	359.5	355.9	349.7
7	332.1	330.1	328.8	325.3	321.5	319.7	315.2	311.9	309.3	303.3	297.4	294.1	289.9	284.2
8	385.4	385.4	382.1	380.1	375.5	371.6	369.4	363.4	358.3	355.2	348.1	343.7	340.1	334.8
9	404.8	380.6	354.3	328.3	303.8	282.2	260.9	240.0	222.3	205.6	189.6	174.3	160.1	147.3
10	199.1	217.5	237.9	258.2	280.3	303.8	329.1	353.6	379.2	406.6	435.0	466.4	495.9	527.1
11	297.0	296.1	294.7	294.4	293.3	291.7	289.5	287.3	286.4	283.8	280.9	274.5	270.7	267.3
12	342.0	343.1	341.4	341.5	341.0	339.7	337.0	336.1	333.6	329.2	325.5	323.8	322.7	320.2
13	288.8	284.8	280.7	279.3	278.3	279.1	277.3	276.2	277.9	276.7	275.6	275.7	275.4	272.4
14	335.7	332.9	330.5	329.0	327.3	323.3	323.2	321.0	322.6	321.7	319.6	315.7	312.2	310.8
15	279.5	276.5	275.8	274.0	269.9	269.8	266.9	263.0	260.1	257.1	256.4	254.9	252.9	249.1
16	318.0	316.9	314.2	310.8	307.7	304.4	302.5	302.3	301.6	299.7	297.2	297.4	296.9	293.3
17	418.2	391.5	364.7	336.5	310.3	284.2	259.9	238.0	217.6	211.2	190.4	175.0	158.1	151.4
19	229.3	229.1	227.6	226.9	226.3	227.4	227.1	227.0	227.9	229.2	230.7	232.2	230.8	229.9
20	255.8	258.7	258.5	258.2	259.8	260.1	260.5	261.5	262.7	262.5	264.3	262.0	260.2	256.6
21	211.5	213.4	213.7	216.0	213.6	217.1	219.2	220.7	220.0	217.3	213.7	211.5	210.5	210.2
22	239.5	240.4	240.7	242.1	241.1	242.9	245.2	247.8	247.2	249.1	247.6	247.9	245.9	242.7
23	180.7	182.0	183.6	184.2	184.3	184.3	184.2	185.3	182.9	182.2	184.1	184.1	181.8	180.8
24	214.6	215.7	216.6	215.7	215.4	215.2	214.1	212.6	210.7	211.5	211.3	213.0	212.3	212.9
25	174.3	174.5	175.4	175.0	172.7	172.1	172.0	170.5	170.6	170.8	169.9	168.6	165.7	164.8
26	196.9	197.7	196.9	196.5	195.1	194.4	193.5	192.1	191.5	194.0	194.2	195.2	192.2	193.5
43	278.6	279.6	283.6	290.2	296.7	302.3	305.2	308.6	312.4	311.5	313.2	311.8	310.4	308.5
44	324.2	325.5	330.2	335.7	341.3	349.4	351.2	356.7	361.3	362.8	366.2	368.4	366.7	366.7
67	162.6	165.3	167.6	169.6	169.1	169.4	170.4	170.4	170.6	170.6	171.8	172.8	170.8	168.9
68	185.6	187.4	189.4	191.2	192.1	194.3	196.7	196.7	197.5	198.5	199.6	201.9	203.4	204.5
85	358.8	361.8	361.8	363.1	362.5	362.5	361.7	359.3	357.1	353.3	349.8	341.5	333.7	327.9
86	421.0	423.5	423.3	426.3	425.0	426.3	425.9	423.0	419.3	417.6	411.2	404.8	398.6	391.7
87	282.0	299.3	316.2	335.0	353.1	373.3	391.0	412.4	428.6	448.5	466.1	486.2	503.7	520.1
88	305.7	326.8	348.3	370.9	390.0	412.3	434.2	453.9	473.0	494.9	515.3	535.2	556.1	576.6
89	141.9	151.6	163.5	177.9	191.6	208.1	225.1	243.7	263.7	287.7	312.0	338.0	364.2	393.6
90	141.3	153.0	166.9	180.2	195.4	212.8	232.2	251.2	270.3	295.0	317.9	343.1	368.7	396.2
91	139.6	151.0	162.2	177.5	191.3	208.5	228.8	246.4	267.1	290.9	314.8	341.3	368.4	397.6
921	439.8	410.9	383.4	355.9	330.6	306.6	282.5	262.5	242.3	225.4	207.4	190.6	176.8	162.2

Table LIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 561 Pi	R 576 Pi	R 583 Pi	R 584 Pi	R 585 Pi	R 577 Pi	R 578 Pi	R 588 Pi	R 575 Pi	R 570 Pi	R 571 Pi	R 579 Pi	R 573 Pi	R 574 Pi
922	283.9	307.7	332.6	358.9	384.7	412.7	440.6	469.1	497.6	527.3	563.7	595.8	629.8	660.0
93	194.3	211.7	231.4	252.4	273.0	298.1	320.6	346.2	370.0	398.5	428.1	457.5	488.3	517.6
94	277.7	300.1	326.1	352.1	377.7	407.7	435.8	465.0	495.8	528.4	562.6	595.7	627.8	656.8
95	147.7	159.4	173.1	190.0	204.0	222.2	240.8	261.9	281.4	306.6	332.8	361.4	388.0	416.1
125	195.2	197.0	197.2	197.6	197.6	196.1	192.8	190.2	187.7	185.4	181.4	177.9	174.9	172.1
126	234.6	234.6	234.2	232.6	231.0	230.4	228.7	222.9	219.2	216.0	212.8	209.4	206.7	205.1
128	344.4	310.2	283.6	261.9	242.9	225.5	208.7	195.2	183.4	170.2	161.4	153.3	145.2	137.0
132	129.1	133.8	142.7	151.4	161.6	174.9	188.2	203.2	218.2	236.9	258.3	277.9	298.8	322.7
201	869.8	842.4	815.5	786.4	757.1	725.2	694.2	661.3	630.5	599.2	564.3	529.7	494.4	465.1
202	955.8	942.8	925.6	909.4	888.1	867.9	846.3	819.5	794.3	767.5	738.9	708.6	677.6	647.3
203	983.4	982.9	979.1	973.6	966.9	956.6	945.5	928.0	907.6	885.4	861.4	834.7	807.6	779.2
204	940.5	956.1	966.3	975.2	979.6	984.4	985.8	980.7	973.1	964.9	953.5	938.1	920.4	900.6
205	830.0	857.4	880.4	901.3	921.1	939.7	954.9	964.1	971.8	978.0	981.5	981.8	978.4	970.6
206	694.5	729.5	759.7	790.0	817.5	845.6	870.9	891.8	910.1	931.7	944.2	958.4	967.2	972.9
207	587.6	621.5	653.6	687.4	716.2	747.0	775.7	801.4	826.6	852.0	875.0	897.0	916.8	929.6
208	526.9	556.0	584.0	613.0	641.4	670.5	700.9	731.3	757.6	786.3	812.7	836.6	860.1	881.6
209	710.1	718.7	722.6	723.6	721.9	721.6	717.5	711.7	707.3	694.2	684.9	668.7	657.2	640.9
210	807.5	817.5	822.9	830.5	831.8	833.3	830.7	826.3	820.6	808.9	799.7	785.6	770.3	753.8
211	894.2	909.1	917.5	926.4	929.4	933.3	934.8	929.0	922.6	914.1	903.8	889.2	873.9	855.0
212	931.3	946.5	953.4	961.8	965.0	970.7	973.5	965.3	959.3	951.1	937.3	922.3	903.2	883.8
213	874.3	884.1	891.6	896.4	898.2	900.4	898.8	892.5	883.8	877.2	863.2	846.7	830.5	813.3
214	782.2	787.8	792.3	794.2	794.9	794.0	790.4	782.3	774.9	764.1	755.0	737.9	722.9	707.4
215	425.1	397.0	370.6	345.0	320.4	296.4	273.7	253.6	236.7	218.8	202.1	186.9	170.9	157.8
216	347.1	352.5	357.6	361.8	365.8	369.4	369.6	370.0	371.3	369.0	368.9	365.6	363.5	359.0
217														
218	280.1	303.4	326.7	353.1	378.9	406.8	434.5	462.9	491.1	522.6	554.6	589.3	623.0	650.7
219	206.3	211.1	213.5	216.3	216.3	221.0	221.3	219.4	220.0	219.0	215.4	213.1	214.4	215.6
220	230.9	233.2	236.7	239.3	240.6	242.9	244.7	243.8	245.2	244.8	244.9	248.6	249.0	246.4
221	164.0	164.9	166.5	169.3	168.8	170.2	170.8	170.1	171.8	170.2	168.8	166.6	167.5	168.2
222	188.3	188.7	189.7	190.7	192.3	193.4	193.9	192.9	195.6	195.0	195.5	195.9	195.1	198.5
223	155.9	159.1	161.0	162.4	163.7	166.0	166.6	166.1	167.0	164.5	163.7	164.0	162.6	162.6
224	179.8	181.5	182.4	185.6	188.7	189.9	190.4	191.6	192.2	192.7	191.9	194.9	194.2	197.5
225	339.3	313.3	290.4	269.0	248.9	230.6	212.6	196.7	183.6	170.1	157.3	148.0	139.0	130.0
226	579.7	552.0	521.7	494.4	466.5	438.5	411.6	384.7	360.3	333.5	309.3	285.4	263.5	241.5
227	657.0	625.2	594.3	562.9	527.7	493.9	462.4	434.5	407.8	378.4	353.2	326.2	302.0	278.9
228	750.3	719.1	683.7	650.3	613.5	577.3	538.7	500.5	465.9	432.4	402.2	370.8	345.8	322.8

Table LIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orientation ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 561 P1	R 576 P1	R 583 P1	R 564 P1	R 585 P1	R 577 P1	R 578 P1	R 588 P1	R 575 P1	R 570 P1	R 571 P1	R 579 P1	R 573 P1	R 574 P1
229	370.5	398.3	428.3	459.3	489.7	521.0	550.8	580.8	611.6	641.2	674.5	704.0	734.9	762.2
230	155.3	169.4	184.2	202.0	219.0	238.6	258.3	280.1	303.3	324.9	351.3	380.5	407.8	437.8
231	482.2	481.9	480.8	479.1	475.5	472.6	469.5	464.9	462.7	455.2	449.0	440.2	429.7	422.0
232	636.9	639.9	643.0	640.1	636.7	634.5	629.1	622.2	614.3	604.9	595.1	581.9	568.1	553.4
233	691.9	695.2	695.8	696.2	692.6	689.2	683.6	676.1	666.0	657.9	647.7	632.6	620.4	607.0
234	549.8	549.3	547.6	547.4	541.7	540.0	532.5	525.9	520.8	512.5	507.2	496.3	485.2	474.1
235	200.6	208.5	215.7	222.6	228.0	234.2	235.4	237.6	241.4	245.6	242.8	244.8	239.8	231.7
236	177.2	189.8	200.3	215.9	227.3	241.4	248.6	261.6	273.3	284.1	295.0	304.7	318.3	330.9
237	153.9	166.6	179.1	194.9	207.0	226.3	244.2	263.6	285.1	306.3	330.1	355.7	383.1	407.8
238	148.9	161.0	174.4	191.3	206.4	226.4	244.8	264.0	286.8	308.0	330.7	357.4	385.0	413.6
239	146.5	158.0	170.8	185.9	201.7	220.1	238.9	258.5	281.4	304.0	328.8	355.9	383.6	413.6
240	121.9	129.0	138.1	147.7	158.2	177.5	192.0	207.4	226.8	243.0	263.2	282.7	303.4	325.2
241	127.7	139.0	152.1	164.4	175.5	185.0	193.6	201.4	211.4	221.3	227.7	242.3	251.3	264.2
242	91.8	81.3	73.8	68.6	61.5	58.8	53.6	50.2	48.2	46.4	45.6	44.8	42.5	43.5
243	191.3	179.7	167.4	158.6	147.7	139.2	128.7	119.1	112.2	104.0	97.5	90.0	84.9	79.5
244	323.4	298.4	276.8	256.2	236.5	218.9	202.4	187.8	177.1	165.6	153.6	145.0	137.7	130.9
245	331.0	306.6	283.1	260.7	240.8	223.2	205.3	190.8	178.1	164.6	154.0	144.2	135.4	128.9
246	252.1	243.2	234.3	225.1	216.1	215.6	222.4	224.9	226.9	226.3	223.8	224.2	227.2	225.9
247	200.8	206.8	213.1	217.7	220.0	220.6	221.1	220.8	221.2	217.2	213.6	204.8	192.8	181.6
248	189.2	189.3	188.8	188.0	186.7	185.6	183.7	180.9	179.2	174.7	172.7	170.4	167.0	164.2
249	217.4	217.5	215.6	214.6	211.9	209.8	206.9	203.8	199.8	197.2	194.3	200.5	192.9	188.3
250	138.2	158.7	175.7	183.3	184.0	179.8	172.9	160.8	156.7	148.2	141.2	135.0	124.6	116.0
251	120.2	120.8	119.7	117.2	115.3	115.9	114.7	114.1	113.7	113.0	113.5	114.0	115.0	113.4
252	393.3	421.5	449.7	480.7	508.8	542.7	573.9	606.3	636.4	667.9	700.1	730.3	762.2	787.6

Table LV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 594	R: 595	R: 582	R: 583	R: 584	R: 585	R: 586	R: 593	R: 588	R: 589	R: 590	R: 591	R: 596	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	276.3	301.1	321.7	347.8	374.6	400.0	429.6	457.7	487.7	518.3	550.3	581.8	612.9	
3	285.2	289.9	293.4	295.2	297.0	292.1	296.9	297.8	295.0	291.8	287.7	284.7	280.4	
4	435.6	441.2	446.0	452.2	453.7	462.7	459.4	460.2	462.0	462.9	462.2	458.6	454.6	
5	285.1	289.3	289.8	288.7	286.2	281.6	284.2	282.7	280.3	276.6	271.5	268.7	260.7	
6	439.9	439.7	441.2	439.9	439.3	437.8	434.7	433.5	432.7	428.9	425.0	416.7	413.1	
7	290.1	290.4	286.2	282.1	280.1	276.9	274.6	270.9	267.0	261.9	256.8	252.5	248.1	
8	448.1	445.9	441.1	436.8	432.1	428.2	422.8	419.3	414.0	410.2	403.4	397.7	392.3	
9	380.5	354.9	329.7	305.8	283.9	264.1	242.5	224.9	207.6	191.4	176.2	161.4	148.7	
10	221.8	241.9	262.3	284.0	306.4	331.9	356.4	382.9	410.8	438.9	469.7	501.7	533.1	
11	258.1	255.1	255.2	253.9	252.2	250.2	248.2	246.9	244.6	241.5	235.3	229.1	225.2	
12	403.1	402.6	403.2	404.9	403.9	400.9	394.9	392.5	391.2	387.7	384.0	383.3	381.5	
13	246.0	242.8	243.5	241.5	241.4	240.1	239.7	240.2	239.1	238.0	235.1	233.3	233.1	
14	393.8	391.6	387.2	388.3	384.8	382.8	381.6	381.1	378.2	375.4	373.0	372.1	370.0	
15	241.0	239.2	238.2	236.4	234.3	232.9	228.5	226.8	224.0	220.1	217.0	214.8	214.8	
16	374.6	370.0	366.0	363.8	361.4	360.4	357.4	355.0	354.4	353.9	350.8	344.3	339.9	
17	383.8	357.7	331.5	308.2	284.4	263.0	241.7	223.4	201.4	184.6	168.7	155.4	144.3	
19	195.7	196.0	195.8	195.5	196.4	197.6	195.8	195.6	194.2	193.1	191.7	190.7	189.4	
20	299.9	300.8	301.5	301.8	302.3	305.8	304.7	305.7	307.8	309.0	309.9	307.5	304.1	
21	177.7	179.0	179.2	180.4	181.2	180.2	182.5	180.5	178.5	175.6	173.2	172.9	171.2	
22	282.1	282.0	282.2	283.6	285.1	291.6	289.0	289.6	290.4	290.3	290.9	290.1	288.9	
23	151.2	152.8	154.3	154.3	154.7	151.8	154.5	152.5	152.0	152.0	151.6	149.1	147.8	
24	256.4	255.6	254.3	253.6	252.7	256.5	250.8	250.2	249.1	249.8	251.2	253.1	256.6	
25	145.9	146.2	146.9	146.9	146.5	143.7	144.4	142.7	141.0	139.8	137.8	136.8	135.8	
26	231.5	230.9	228.9	227.9	228.1	232.0	226.3	226.5	227.2	228.4	229.1	229.4	230.9	
43	243.0	248.6	253.7	257.7	263.6	261.1	267.1	268.7	268.3	268.5	266.2	264.0	259.1	
44	386.1	394.9	402.0	410.3	418.5	433.7	432.9	438.2	442.3	446.7	450.2	453.1	452.8	
67	139.7	142.1	143.0	143.0	143.6	141.6	142.2	141.2	140.8	140.4	138.5	137.0	135.7	
68	219.5	221.8	223.1	225.4	228.6	237.4	233.4	235.3	236.5	237.6	240.7	242.5	246.7	
85	318.3	318.2	318.4	319.9	318.3	315.8	314.4	310.6	306.7	304.7	298.8	291.0	282.5	
86	486.0	486.5	487.1	488.5	487.5	487.0	485.4	483.6	481.9	478.4	475.3	468.0	460.6	
87	276.5	293.2	310.0	326.7	344.9	360.6	378.6	396.0	413.9	432.4	449.0	464.6	479.8	
88	356.7	378.9	400.7	425.4	448.0	469.5	493.1	515.1	538.8	561.9	583.6	606.6	630.1	
89	149.7	160.9	173.7	188.0	203.9	220.1	238.9	258.6	278.8	301.2	323.9	350.3	374.8	
90	156.6	171.0	186.2	203.2	221.1	240.1	259.4	281.4	306.9	331.7	355.9	383.0	409.1	
91	154.8	166.5	180.3	195.1	211.9	230.6	249.8	271.1	293.5	317.8	342.3	369.7	396.8	
921	410.6	384.0	356.8	331.3	308.5	285.2	265.9	245.5	227.4	209.5	193.8	177.1	162.5	

Table LV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 594 Pi	R: 595 Pi	R: 582 Pi	R: 583 Pi	R: 584 Pi	R: 585 Pi	R: 586 Pi	R: 593 Pi	R: 588 Pi	R: 589 Pi	R: 590 Pi	R: 591 Pi	R: 596 Pi
922	311.4	333.6	361.2	386.4	412.8	442.0	468.8	499.1	530.5	566.2	599.0	632.0	664.8
93	217.4	235.7	255.6	277.4	300.9	324.3	350.0	376.3	403.0	431.6	462.4	491.8	524.3
94	308.6	331.8	357.5	383.4	410.9	441.5	471.9	501.9	535.2	569.7	601.5	633.4	663.8
95	162.8	176.6	192.0	209.0	227.2	246.1	268.3	291.2	315.4	340.2	367.2	395.9	423.1
125	159.1	162.2	165.0	166.7	166.8	162.5	162.5	159.1	155.0	152.1	148.4	145.7	141.2
126	277.5	276.7	273.1	271.4	267.6	269.5	260.2	255.6	253.1	250.3	247.4	246.5	244.9
128	305.5	281.6	258.8	240.3	223.5	213.0	195.9	185.0	182.8	181.9	162.3	170.1	137.4
132	131.2	139.9	148.6	157.5	170.1	186.5	200.6	215.6	239.5	258.3	276.1	300.4	326.2
201	830.1	802.8	774.7	745.1	714.1	682.1	651.1	620.5	590.8	558.3	525.3	488.6	460.2
202	928.8	915.4	894.4	875.0	854.2	831.1	807.9	783.2	759.7	730.5	702.2	674.1	643.1
203	969.6	970.1	960.2	951.3	940.4	926.5	911.8	895.1	875.2	853.5	828.6	804.0	775.6
204	941.9	956.0	962.5	966.7	969.6	968.4	966.9	961.0	953.2	942.2	929.9	914.0	897.1
205	848.1	872.7	892.1	911.5	927.2	941.8	953.0	961.0	968.4	970.8	970.3	969.3	968.2
206	720.5	752.7	780.8	808.2	832.7	857.1	882.3	902.3	920.0	935.4	947.1	961.0	971.9
207	617.9	649.3	680.1	709.3	737.7	767.0	794.6	820.4	844.9	868.4	889.8	910.5	928.4
208	551.4	579.6	607.6	636.3	665.9	693.4	722.9	752.7	779.9	807.7	832.2	856.7	883.3
209	660.9	662.5	663.6	662.7	661.6	658.1	653.7	647.7	639.4	628.9	617.2	604.3	587.3
210	765.4	773.4	776.4	778.6	779.4	777.8	773.8	768.4	759.4	749.9	737.3	724.3	708.5
211	872.8	884.8	890.1	895.5	896.9	897.0	893.4	888.8	880.6	869.1	858.0	844.3	827.6
212	957.9	969.3	972.8	976.7	977.5	977.9	974.6	971.0	964.5	954.7	939.1	922.1	906.6
213	920.5	927.2	928.7	930.9	931.3	929.7	926.3	918.2	910.8	901.6	889.0	872.0	852.4
214	842.6	847.4	847.1	848.0	846.7	842.7	835.1	829.8	819.8	808.4	795.6	780.3	763.6
215	395.5	369.1	344.6	321.6	298.2	276.0	254.7	236.5	219.0	202.1	186.5	169.7	157.6
216	311.9	315.5	319.2	321.1	324.0	324.4	325.9	324.5	323.7	323.7	323.0	316.3	312.7
217													
218	303.7	326.0	351.0	376.2	403.1	429.2	457.3	487.3	520.1	552.6	585.1	617.4	648.8
219	177.0	179.8	180.6	180.5	181.6	182.4	182.7	181.8	179.8	177.6	177.3	175.6	174.0
220	271.9	275.6	278.7	281.6	282.5	286.9	288.0	288.1	289.2	289.8	289.1	289.5	292.7
221	141.0	142.8	144.2	144.9	145.1	145.5	144.4	143.4	141.8	139.7	139.3	138.8	138.7
222	221.4	221.9	223.7	224.2	224.3	227.8	227.4	228.1	230.2	232.9	234.5	237.0	238.9
223	137.6	139.4	140.4	141.9	142.3	141.4	139.1	137.6	136.0	135.3	133.9	120.4	101.3
224	213.4	214.3	216.5	220.4	221.4	223.7	225.6	228.3	230.3	233.3	235.9	236.4	240.1
225	315.3	291.2	269.1	249.1	230.5	212.7	197.0	181.7	168.5	156.3	145.8	135.9	127.7
226	547.9	516.5	490.2	463.1	435.8	410.0	381.4	356.3	332.0	307.5	286.1	263.1	241.0
227	619.9	588.7	558.1	524.1	491.6	461.3	432.5	407.4	379.8	354.1	328.2	303.9	277.7
228	709.2	676.5	642.8	608.7	571.5	534.9	494.8	459.8	430.1	401.9	375.2	348.9	324.7

Table LV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 594	R: 595	R: 582	R: 583	R: 584	R: 585	R: 586	R: 593	R: 588	R: 589	R: 590	R: 591	R: 596	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	400.2	427.4	458.2	488.3	518.5	548.9	578.6	608.9	639.2	671.9	702.5	732.5	763.9	
230	173.3	188.2	204.9	222.2	241.9	262.9	284.2	307.5	331.1	358.5	385.1	413.8	444.4	
231	433.6	432.3	434.4	430.0	427.7	414.4	415.8	412.5	405.0	396.1	389.1	379.6	371.5	
232	584.6	587.0	585.1	581.0	577.7	569.1	567.0	559.8	551.6	542.7	530.5	516.9	501.6	
233	755.6	757.2	755.9	754.0	748.7	749.9	736.8	728.7	720.3	708.0	695.1	681.1	668.0	
234	615.6	615.9	612.9	609.7	605.9	607.9	594.1	586.5	578.5	570.2	560.6	549.5	540.7	
235	177.7	183.1	187.0	191.5	193.9	196.1	196.2	196.9	194.3	190.3	181.6	180.4	184.8	
236	169.8	182.1	192.1	201.9	209.8	218.5	226.3	228.8	238.2	250.3	264.9	277.0	289.0	
237	159.0	171.6	185.2	199.9	216.0	232.4	249.0	268.6	288.6	310.1	331.2	354.8	377.7	
238	160.5	172.9	187.2	202.8	220.1	235.8	257.0	278.2	299.8	322.6	348.4	373.2	400.6	
239	162.2	173.3	187.9	204.4	221.7	241.7	261.2	285.0	308.9	333.3	359.7	385.4	414.7	
240	124.4	134.2	143.9	155.1	167.7	180.3	197.0	213.6	232.2	253.1	274.8	298.9	324.8	
241	135.2	144.4	150.6	155.7	162.0	165.4	173.9	180.2	184.9	189.8	200.0	208.8	221.4	
242	77.3	70.5	64.7	59.8	55.4	51.9	47.8	44.8	42.6	40.3	38.7	36.4	37.9	
243	184.2	172.1	162.1	150.5	141.4	130.8	120.1	110.9	103.3	96.4	89.2	83.4	77.1	
244	299.3	275.1	256.5	237.1	220.2	203.0	189.7	176.9	164.6	153.5	143.7	133.7	125.4	
245	303.7	281.5	260.0	241.2	223.4	206.2	191.4	177.2	164.9	153.2	142.5	133.3	125.9	
246	212.4	206.7	198.9	191.1	186.5	187.5	190.9	191.3	193.4	193.9	191.4	188.1	187.7	
247	174.4	178.6	180.6	182.0	181.9	180.6	179.5	176.0	170.7	163.4	153.7	143.7	119.2	
248	155.9	156.6	156.6	155.9	155.0	153.6	151.8	149.3	146.4	144.0	141.0	138.8	134.5	
249	254.2	251.2	249.3	247.9	246.4	244.0	240.3	236.4	232.8	230.6	232.1	226.3	222.6	
250	100.9	121.9	143.2	155.0	161.2	162.1	157.3	148.6	138.4	127.8	118.3	109.7	98.8	
251	107.7	108.5	107.6	103.7	100.3	99.5	98.8	98.2	96.8	95.8	94.8	95.5	96.2	
252	420.9	448.6	481.0	509.0	539.8	571.6	602.8	634.1	667.0	698.5	728.7	759.8	790.4	

Table LVI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 597	R: 611	R: 599	R: 600	R: 612	R: 602	R: 615	R: 604	R: 605	R: 613	R: 614	R: 608	R: 609	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	402.9	404.8	404.6	406.3	404.4	402.7	403.8	404.9	402.6	402.0	399.9	400.5	401.7	
3	456.7	426.1	411.9	396.6	381.7	374.1	367.8	360.8	353.4	340.0	330.4	320.8	297.2	
4	295.7	319.6	334.5	345.6	357.8	366.1	375.1	379.4	383.5	395.9	411.1	428.4	458.2	
5	443.2	413.6	397.3	381.5	366.9	361.0	353.0	344.2	339.6	327.6	316.3	306.1	287.5	
6	284.7	303.4	320.2	328.1	338.3	345.7	351.9	357.5	366.5	376.7	390.7	405.7	439.1	
7	429.0	400.3	384.4	367.7	354.7	346.9	341.4	333.9	327.0	316.3	304.4	294.6	277.8	
8	275.9	297.7	310.6	320.9	329.8	337.8	344.7	351.6	357.3	368.2	381.4	397.0	428.0	
9	264.6	263.2	264.6	263.1	263.1	263.2	263.3	261.9	260.6	260.4	260.0	260.9	263.2	
10	330.0	332.0	332.5	332.7	332.5	331.9	330.6	331.0	329.7	328.9	329.8	329.9	332.4	
11	406.9	375.6	359.6	343.4	328.1	320.8	313.8	307.6	301.6	290.8	280.5	273.8	250.4	
12	246.3	267.9	276.0	290.8	302.8	307.1	312.7	318.4	324.7	337.6	350.4	365.2	399.8	
13	390.2	359.6	342.9	328.5	313.8	305.6	299.0	292.9	289.7	278.3	268.9	261.8	240.1	
14	234.3	256.2	261.8	275.8	285.0	288.6	293.6	300.8	307.9	323.7	334.4	347.5	383.6	
15	371.4	343.5	327.3	315.0	301.0	294.7	287.2	282.0	277.0	267.8	258.6	251.7	233.2	
16	221.6	243.4	249.7	263.1	270.3	274.9	279.3	286.7	293.5	303.8	314.5	326.6	359.7	
17	264.8	261.3	261.2	261.1	260.8	260.4	263.2	260.8	261.9	259.5	257.7	259.0	262.1	
19	315.1	287.1	276.7	263.8	253.4	246.8	243.9	239.4	235.1	228.2	223.9	211.5	198.4	
20	189.4	206.4	216.2	223.8	232.5	235.5	242.2	245.2	248.5	260.3	270.3	278.1	304.4	
21	292.8	269.8	258.1	248.0	240.3	234.9	233.4	229.4	228.1	220.4	210.9	200.8	181.6	
22	178.6	194.6	204.5	214.1	219.1	222.4	225.7	232.7	236.6	245.7	254.1	267.7	286.9	
23	246.5	227.4	219.1	210.8	202.7	203.7	200.1	198.1	191.0	184.1	176.1	168.4	154.5	
24	157.4	170.0	176.9	185.2	191.0	195.0	197.8	201.1	204.1	214.0	221.3	229.0	252.6	
25	230.1	213.9	207.6	202.7	196.2	190.4	187.0	184.2	180.3	172.8	164.6	156.7	146.5	
26	145.0	155.4	160.6	166.8	172.8	177.3	181.2	184.6	187.8	193.6	201.0	209.3	227.2	
43	422.0	391.4	375.9	358.1	344.7	337.8	329.2	323.5	317.4	306.5	295.2	288.9	268.2	
44	256.4	277.4	289.0	302.7	315.3	322.4	327.5	333.1	339.5	352.4	370.8	389.4	426.8	
67	229.8	213.8	206.7	201.4	194.9	189.4	184.5	184.2	180.2	171.0	163.0	155.8	143.4	
68	145.7	157.5	161.7	169.2	175.7	178.8	183.7	188.2	191.1	197.2	205.3	212.9	231.8	
85	485.7	455.3	439.3	421.6	405.6	398.0	391.6	384.2	374.3	363.6	350.4	340.8	318.2	
86	321.8	342.5	359.0	370.8	382.8	391.2	398.3	404.5	410.0	425.9	440.5	461.7	486.6	
87	473.2	455.5	445.6	435.1	424.1	419.8	416.0	410.4	403.1	392.7	384.1	377.4	362.2	
88	363.6	381.5	391.1	400.3	409.3	414.4	419.3	423.2	423.6	435.3	443.5	455.3	469.7	
89	242.2	235.1	235.0	231.4	229.5	229.5	229.2	227.3	228.1	226.9	229.4	223.9	221.5	
90	218.0	222.7	226.0	225.9	228.9	228.8	230.7	230.0	230.2	232.4	235.0	235.0	239.6	
91	228.8	229.2	227.5	228.8	228.5	227.7	227.4	227.1	227.3	228.3	228.2	232.1	230.3	
921	284.9	288.6	289.1	285.6	286.3	285.7	284.1	283.3	283.7	282.8	285.0	287.6	285.7	

Table LVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 597	R: 611	R: 599	R: 600	R: 612	R: 602	R: 615	R: 604	R: 605	R: 613	R: 614	R: 608	R: 609	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	440.2	443.4	442.4	442.0	442.7	441.0	440.1	439.9	442.9	441.7	439.0	440.8	440.5	
93	321.9	324.0	323.3	324.0	325.2	324.3	323.9	323.1	322.0	323.0	323.2	324.7	325.2	
94	425.3	431.1	432.9	433.4	433.4	435.8	433.8	434.3	435.6	436.7	437.6	438.4	441.0	
95	240.1	242.1	241.3	241.2	242.3	242.1	242.0	240.5	241.7	241.4	244.9	244.4	247.7	
125	261.1	238.3	228.3	220.9	215.1	210.6	207.9	205.8	204.7	195.1	189.1	181.9	164.9	
126	169.2	182.1	189.6	196.8	205.4	207.1	209.8	213.4	219.7	227.6	234.9	245.0	262.5	
128	208.6	208.0	207.8	207.5	206.3	206.1	206.5	206.8	207.4	209.0	210.9	208.0	206.9	
132	185.7	186.5	188.1	189.8	188.3	188.6	187.8	188.8	190.9	190.0	190.7	188.7	188.1	
201	689.9	695.6	695.1	697.5	694.1	692.9	692.9	693.5	692.0	694.5	689.0	685.7	681.9	
202	837.0	844.4	847.1	847.9	846.2	844.8	845.4	844.0	843.9	845.8	841.5	836.8	829.0	
203	933.8	940.3	942.7	944.8	943.0	941.3	943.6	941.0	941.7	944.8	937.0	933.5	926.4	
204	977.3	982.8	984.4	985.4	982.9	985.8	984.9	983.1	984.0	986.1	978.7	973.6	970.4	
205	946.4	952.4	953.7	954.8	953.8	957.2	957.3	954.1	955.3	954.5	948.3	943.9	940.8	
206	864.4	868.3	871.4	872.2	871.3	872.5	873.8	873.8	872.1	870.7	865.8	861.0	859.5	
207	769.6	773.0	775.7	777.3	775.4	777.7	776.9	778.0	777.6	776.2	772.6	767.9	767.6	
208	697.0	701.3	701.3	703.0	702.3	704.6	702.9	702.3	703.4	702.0	698.3	693.3	693.8	
209	843.9	815.0	801.7	783.7	769.6	760.8	752.9	745.0	738.6	719.6	701.1	685.0	659.6	
210	927.9	908.0	897.5	881.0	872.2	867.6	859.2	852.7	848.3	831.5	816.2	801.9	777.7	
211	982.4	973.5	969.9	962.7	955.0	955.2	948.9	945.1	942.2	934.2	921.3	912.2	896.9	
212	907.1	929.1	935.2	944.3	948.5	952.2	957.0	959.2	960.7	971.3	972.6	971.2	977.1	
213	794.6	825.8	835.6	848.4	856.7	865.2	871.9	877.8	883.1	896.7	908.2	911.4	927.8	
214	661.7	694.9	709.4	726.6	741.6	748.4	755.9	762.7	770.9	788.7	806.9	813.2	842.6	
215	281.2	282.4	281.6	280.4	279.0	277.2	275.5	275.9	275.4	275.7	275.2	276.3	277.1	
216	491.7	464.1	444.6	431.2	414.3	407.5	401.0	392.5	383.4	371.8	359.5	347.3	326.1	
217														
218	448.3	446.3	445.6	444.7	442.3	441.4	439.4	439.2	439.1	435.9	432.5	431.1	432.6	
219	299.0	273.8	259.7	251.4	242.6	237.4	233.4	230.6	230.0	221.9	213.1	201.7	182.2	
220	175.6	191.6	201.4	212.0	218.3	220.2	226.6	232.1	235.9	245.6	254.2	266.9	288.0	
221	229.1	213.9	207.9	205.2	192.7	190.4	187.0	183.5	177.8	172.2	163.2	157.8	145.4	
222	144.5	155.0	158.2	164.5	170.8	174.9	178.5	183.5	186.6	194.6	199.8	208.6	227.6	
223	226.7	211.5	208.4	196.8	189.1	187.0	182.1	177.0	173.9	167.6	159.0	154.1	142.1	
224	140.6	151.8	156.7	161.2	168.4	171.4	174.9	179.3	180.7	190.3	197.6	204.4	223.2	
225	211.7	212.1	212.7	211.9	211.5	212.9	210.9	212.1	212.2	213.2	212.8	212.6	213.2	
226	408.8	412.1	412.9	413.4	411.8	409.2	409.4	410.4	413.0	412.8	411.6	411.4	410.2	
227	461.0	464.2	463.3	464.7	462.4	460.1	460.2	460.8	462.4	462.2	462.7	461.3	461.0	
228	535.7	540.5	539.9	541.1	539.8	536.9	536.4	536.4	539.2	539.5	537.2	534.9	533.6	

Table LVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 597	R: 611	R: 599	R: 600	R: 612	R: 602	R: 615	R: 604	R: 605	R: 613	R: 614	R: 608	R: 609	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	550.2	552.8	553.1	553.9	553.6	551.5	552.0	552.1	554.7	553.6	550.9	550.3	548.1	
230	261.5	260.2	261.9	260.8	259.7	259.4	260.6	261.4	260.1	259.1	257.9	261.5	262.3	
231	608.4	575.3	556.2	538.5	520.2	510.2	503.0	496.7	489.1	470.7	456.8	441.3	421.1	
232	760.7	728.6	714.4	697.4	680.3	673.3	663.4	658.4	650.0	631.6	614.8	599.4	574.1	
233	557.7	590.9	604.4	621.9	637.9	644.6	649.0	658.8	665.5	683.1	703.1	715.4	742.3	
234	417.3	444.9	455.8	471.6	490.4	496.3	502.6	507.8	518.1	534.3	554.2	572.8	599.6	
235	319.0	293.5	280.6	269.7	259.6	255.2	248.9	245.8	241.2	237.7	225.2	216.3	196.2	
236	313.5	293.8	284.7	275.1	268.7	266.1	262.2	260.0	256.1	251.3	247.2	238.2	218.8	
237	270.9	264.5	261.4	257.6	252.7	252.1	249.3	248.2	247.0	244.9	246.3	242.4	233.6	
238	260.2	254.0	252.1	250.4	248.5	247.0	246.4	246.0	246.1	246.5	244.2	245.5	238.9	
239	245.3	243.9	242.1	242.9	242.8	240.8	240.9	240.1	240.1	240.0	241.1	242.0	243.2	
240	186.1	183.1	186.0	193.1	193.7	193.6	194.3	195.4	195.5	194.6	187.6	185.3	182.5	
241	233.9	224.5	220.9	219.8	212.5	209.6	206.1	204.5	200.2	194.5	186.8	182.1	168.0	
242	53.0	53.5	53.2	55.0	56.3	56.9	57.3	57.7	57.4	54.0	53.4	52.3	51.5	
243	128.4	125.5	125.8	126.6	128.0	126.1	126.3	126.9	127.5	128.9	128.2	128.3	131.3	
244	202.4	205.9	204.1	203.8	202.7	203.1	202.3	202.9	202.2	203.2	205.5	205.3	205.5	
245	204.0	207.0	207.3	207.9	205.5	205.6	205.8	206.3	207.3	207.2	205.6	209.1	207.5	
246	315.8	288.9	277.6	263.3	248.6	245.4	240.2	235.2	231.9	224.0	218.9	207.4	190.4	
247	301.9	274.4	261.4	250.0	242.8	236.8	234.8	229.7	226.1	222.4	209.5	202.5	181.3	
248	243.3	225.7	218.1	210.7	203.2	204.0	200.9	195.1	190.2	184.4	178.2	169.6	153.6	
249	157.7	166.3	172.7	180.0	186.9	190.5	194.6	196.7	198.9	207.8	215.9	222.3	243.4	
250	214.5	203.7	199.0	191.1	185.3	182.2	179.9	176.6	175.6	174.1	171.1	167.9	162.7	
251	157.7	148.7	143.2	137.8	132.7	128.1	124.8	121.1	118.9	116.2	110.5	106.7	99.9	
252	570.5	575.5	575.2	574.7	575.4	575.1	574.5	574.8	575.9	575.6	574.3	570.7	571.8	

Table LVII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 616 Pi	R: 620 Pi	R: 618 Pi	R: 619 Pi
2	466.0	463.2	459.7	458.5
3	402.1	368.2	336.9	292.7
4	345.2	372.8	400.6	464.7
5	381.5	348.7	317.8	279.8
6	319.9	347.9	374.0	436.8
7	359.9	332.4	303.2	267.0
8	310.7	334.3	361.6	421.8
9	222.0	223.2	221.0	222.7
10	384.3	385.2	382.2	383.7
11	341.4	309.8	283.2	243.6
12	282.6	306.9	335.1	398.5
13	330.2	299.4	274.4	235.1
14	274.6	297.4	323.6	385.8
15	310.4	280.3	257.4	221.1
16	256.3	275.9	301.9	361.2
17	218.3	219.7	215.1	221.4
19	266.2	244.2	229.1	192.3
20	221.9	244.2	264.3	309.0
21	252.1	233.8	215.3	177.4
22	211.4	228.3	251.2	295.0
23	211.7	200.9	180.5	150.3
24	178.4	196.4	212.6	252.6
25	201.5	187.2	168.7	141.2
26	162.5	178.8	192.0	228.6
43	369.6	336.9	308.2	265.9
44	303.8	332.4	363.5	445.3
67	203.0	187.1	169.1	140.3
68	166.4	182.6	199.3	237.8
85	420.5	387.0	353.6	311.5
86	361.8	394.4	424.5	487.0
87	478.8	455.9	430.5	396.8
88	439.1	460.9	479.7	518.3
89	273.2	271.0	266.8	258.0
90	265.9	271.3	273.2	283.5
91	270.0	270.4	268.5	272.8
921	242.7	242.9	241.2	246.0

Table LVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 616 Pi	R: 620 Pi	R: 618 Pi	R: 619 Pi
922	502.0	502.6	500.9	502.6
93	377.4	378.2	374.6	377.0
94	495.3	498.1	499.6	504.3
95	284.7	285.4	284.8	292.9
125	213.0	199.5	186.6	157.2
126	189.4	203.9	220.7	256.0
128	178.9	178.6	182.5	191.7
132	220.9	221.3	220.5	216.8
201	632.8	626.0	626.5	618.5
202	796.5	793.7	791.5	779.9
203	909.7	906.5	905.2	893.2
204	978.8	976.6	974.8	960.6
205	976.0	976.4	973.9	961.3
206	915.5	916.4	912.5	903.0
207	830.6	833.7	829.7	823.8
208	760.5	763.2	760.3	753.9
209	773.5	738.1	701.3	644.1
210	876.0	846.6	815.6	764.9
211	956.7	940.6	921.5	887.2
212	933.6	948.4	961.2	972.8
213	836.0	861.9	888.4	924.1
214	709.6	743.7	780.3	831.5
215	239.3	236.7	233.7	235.6
216	433.8	402.3	369.2	324.7
217				
218	503.7	501.5	494.3	490.0
219	253.3	233.4	216.2	178.2
220	208.5	224.8	248.0	293.5
221	207.8	186.5	168.6	142.0
222	163.0	179.2	196.6	229.7
223	202.5	180.6	162.8	136.9
224	159.3	176.6	194.6	230.0
225	181.7	180.4	181.5	180.2
226	358.3	354.0	355.5	355.7
227	405.1	399.9	401.9	405.0
228	464.4	457.7	460.4	460.5

Table LVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 616 P1	R: 620 P1	R: 618 P1	R: 619 P1
229	614.7	616.4	615.2	611.4
230	307.6	308.0	305.6	309.0
231	529.4	491.4	456.4	406.6
232	683.6	647.4	610.9	557.7
233	600.9	635.6	673.1	732.2
234	455.2	490.8	524.4	593.2
235	279.3	256.3	239.0	192.4
236	305.8	291.2	274.3	224.9
237	300.0	290.4	287.3	267.6
238	297.4	290.3	287.4	278.3
239	286.3	284.7	283.9	284.9
240	228.5	231.9	226.1	213.4
241	247.2	229.1	209.1	178.8
242	49.1	51.4	49.1	43.6
243	109.5	109.2	110.5	110.9
244	176.6	174.5	175.7	174.1
245	178.7	175.9	175.4	175.6
246	266.5	242.0	224.2	190.1
247	255.3	234.5	216.6	172.4
248	206.8	194.4	174.5	146.9
249	171.3	187.5	200.8	238.4
250	179.6	166.9	153.6	147.5
251	136.3	124.4	112.0	97.4
252	640.1	641.3	639.9	636.7

Table LVIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 638 Pi	R: 622 Pi	R: 636 Pi	R: 624 Pi	R: 625 Pi	R: 626 Pi	R: 634 Pi	R: 628 Pi	R: 629 Pi	R: 630 Pi	R: 631 Pi	R: 637 Pi	R: 633 Pi	
2	273.1	273.1	275.2	275.5	276.5	275.6	274.0	274.9	272.4	273.5	275.0	273.8	276.6	
3	434.3	407.2	393.3	378.4	364.2	356.0	349.1	340.4	333.5	324.1	313.8	304.5	285.4	
4	282.4	303.0	315.4	330.1	338.9	344.9	353.6	359.6	365.5	374.5	389.0	405.5	435.9	
5	444.3	414.1	397.6	384.7	371.0	360.1	352.5	345.0	338.6	326.1	315.5	306.1	286.5	
6	283.4	303.6	314.8	330.3	340.0	346.5	354.7	362.3	368.1	377.3	392.5	407.0	440.3	
7	449.7	419.9	405.6	388.5	374.1	366.3	358.8	349.8	344.5	329.7	319.8	309.1	290.0	
8	288.0	310.9	321.2	337.6	346.4	352.3	360.5	369.4	375.8	385.6	399.6	415.6	448.3	
9	381.4	384.1	384.5	384.0	383.8	383.3	382.4	379.9	380.3	378.9	377.5	378.7	379.1	
10	220.4	221.2	222.6	221.1	219.1	221.0	220.2	219.9	217.9	218.9	219.5	223.0	222.6	
11	411.5	381.0	366.3	351.8	334.9	327.4	321.5	315.4	308.9	298.4	287.7	280.5	256.4	
12	248.9	272.7	281.0	296.3	305.8	311.5	318.7	323.9	331.2	343.0	354.2	369.4	402.6	
13	401.5	368.4	352.7	338.7	322.5	315.4	309.4	302.6	298.3	286.5	275.1	270.0	245.9	
14	238.2	261.5	270.7	284.4	297.0	300.3	306.6	313.2	322.5	333.9	344.2	356.5	393.6	
15	387.7	358.1	342.5	331.3	314.0	306.4	301.2	295.5	289.4	278.2	268.2	263.3	241.1	
16	227.8	250.3	259.0	272.9	281.9	287.2	293.3	298.5	306.1	317.2	326.2	339.7	372.0	
17	385.2	388.5	390.2	392.6	394.2	393.8	393.6	393.8	391.2	390.5	387.9	386.5	383.7	
19	315.6	287.9	276.2	265.1	253.8	249.3	245.6	239.3	237.0	231.0	222.3	213.2	196.3	
20	187.3	205.6	212.9	219.6	229.7	236.0	239.8	242.8	247.5	258.4	269.3	277.0	300.9	
21	291.2	267.2	253.5	245.3	236.2	233.9	228.4	224.9	223.1	213.6	205.7	195.6	177.8	
22	175.0	190.4	197.8	206.8	214.0	217.8	223.4	227.8	232.8	240.3	249.8	263.5	282.3	
23	243.5	225.9	215.6	211.2	201.6	202.1	199.4	193.6	187.8	182.7	173.8	165.3	150.8	
24	157.2	169.2	175.5	184.2	193.3	196.6	200.2	202.5	207.8	216.7	226.5	233.1	256.4	
25	235.6	217.7	210.1	204.5	198.3	193.6	192.0	185.5	180.7	175.7	164.4	158.5	145.9	
26	144.5	155.7	158.1	165.7	173.4	178.1	184.0	185.2	191.3	197.6	204.0	213.5	231.7	
43	389.7	359.4	342.8	329.6	315.6	306.5	302.1	294.7	291.3	279.4	270.0	265.6	243.8	
44	234.1	253.9	265.2	279.8	290.6	294.5	299.8	307.7	314.4	325.0	339.1	352.6	385.9	
67	221.2	204.8	198.8	195.1	187.0	181.9	180.2	175.6	170.9	165.8	156.0	148.9	139.8	
68	139.8	151.3	154.2	160.7	164.7	170.5	175.2	177.1	183.0	187.6	194.6	203.4	219.2	
85	485.8	454.7	438.2	424.2	407.2	399.2	391.6	381.1	373.5	362.5	349.7	340.0	317.9	
86	319.2	342.8	360.0	370.4	383.7	391.2	397.9	405.6	408.6	423.7	438.7	459.3	485.5	
87	361.6	344.8	339.4	332.9	322.0	320.1	316.0	312.1	305.9	302.9	293.2	289.9	277.5	
88	276.1	287.0	296.7	302.8	309.4	312.7	317.4	319.5	321.2	327.4	335.1	344.7	356.9	
89	156.8	154.7	154.7	155.5	155.6	154.1	153.8	153.2	150.8	153.0	154.0	152.3	150.4	
90	148.7	148.2	151.1	151.7	151.3	154.1	154.8	155.0	152.8	154.9	154.7	155.1	157.2	
91	152.8	151.5	150.9	152.2	151.1	150.9	151.6	150.6	151.3	152.4	151.6	153.3	155.7	
921	412.1	415.5	415.1	417.2	414.6	414.9	414.8	412.9	412.2	411.5	411.8	412.0	410.7	

Table LVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 638	R: 622	R: 636	R: 624	R: 625	R: 626	R: 634	R: 628	R: 629	R: 630	R: 631	R: 637	R: 633	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	311.0	314.0	312.8	311.1	313.4	309.8	310.0	311.0	311.0	311.8	310.3	308.2	313.1	
93	216.6	214.9	217.2	216.1	214.2	215.7	214.3	216.1	212.6	213.3	214.3	217.1	216.5	
94	294.8	298.2	299.0	301.0	303.2	300.8	301.0	301.6	299.4	302.9	304.6	305.8	308.8	
95	159.5	159.9	158.3	160.5	160.1	159.3	160.4	160.2	160.5	159.1	160.4	161.5	163.4	
125	274.7	247.4	237.7	228.5	221.3	214.7	211.0	209.6	204.7	198.5	185.8	178.2	159.7	
126	165.4	179.1	187.4	198.4	208.6	212.3	216.3	220.4	226.3	235.4	245.5	256.5	278.3	
128	311.6	309.2	319.0	313.7	306.1	306.3	310.3	307.8	306.3	312.4	321.3	319.3	305.0	
132	131.2	134.1	135.1	137.3	136.8	135.9	136.6	136.1	134.7	136.1	134.5	133.4	131.3	
201	838.0	841.9	846.5	849.4	845.5	848.3	847.3	846.3	841.5	844.6	835.0	831.9	827.7	
202	936.8	939.9	944.9	948.2	942.9	948.1	947.3	945.9	940.9	942.7	932.0	930.2	927.0	
203	975.7	979.8	985.9	989.2	983.6	987.9	987.9	986.8	984.4	985.0	973.8	972.0	968.1	
204	948.3	953.0	958.3	961.8	958.1	962.2	959.8	959.9	956.8	955.2	946.5	944.9	941.2	
205	851.3	856.5	858.5	862.0	857.1	860.7	857.8	859.0	858.7	858.1	850.7	848.4	845.8	
206	724.8	730.5	731.1	733.6	729.8	731.8	731.1	731.6	729.6	731.0	724.1	720.4	721.1	
207	617.2	622.0	624.4	625.8	621.9	623.8	622.1	623.5	622.5	624.1	619.4	617.7	618.3	
208	553.0	556.4	558.1	561.3	557.2	556.9	557.2	559.0	556.4	559.4	552.7	552.2	551.4	
209	848.5	816.3	804.0	787.8	774.0	764.5	756.6	748.3	739.5	719.0	697.5	684.8	660.6	
210	921.2	895.6	887.3	876.4	863.6	857.5	849.6	842.6	835.9	818.2	798.2	786.4	765.5	
211	961.3	947.5	946.9	943.2	934.0	933.9	927.1	924.1	919.2	908.0	893.2	885.6	872.3	
212	881.5	900.2	909.3	920.1	921.6	929.0	932.9	935.3	936.0	946.0	944.3	945.0	955.2	
213	779.8	807.3	820.3	836.5	844.8	851.6	860.5	865.4	871.0	884.6	892.0	897.7	917.8	
214	659.4	691.7	708.4	725.7	741.6	746.6	757.4	765.6	773.2	788.6	804.0	813.7	841.3	
215	405.5	407.9	406.0	404.6	402.8	401.4	401.9	401.0	398.5	396.4	395.5	396.0	394.0	
216	472.6	442.1	428.2	412.7	397.2	388.7	382.4	371.3	363.8	351.9	341.9	331.1	311.0	
217														
218	313.1	313.8	311.9	312.1	311.1	307.8	307.8	306.3	304.6	305.3	303.3	304.4	305.1	
219	282.7	259.6	249.7	240.4	232.7	229.5	225.4	221.0	219.2	210.7	202.4	193.7	177.3	
220	172.9	185.5	195.3	202.5	209.4	212.1	216.2	222.2	226.3	235.2	242.3	255.7	272.8	
221	225.7	209.3	206.2	199.5	191.0	186.7	182.0	177.1	173.6	165.5	158.5	151.6	141.1	
222	140.8	151.0	154.4	158.2	165.0	169.8	173.3	178.1	181.5	189.3	195.7	203.0	222.5	
223	216.1	201.7	198.2	188.1	181.8	177.8	174.0	172.5	166.0	158.8	153.2	146.8	138.0	
224	137.7	146.2	150.1	154.0	160.7	162.6	165.9	168.2	172.0	180.8	188.6	194.2	213.9	
225	312.1	313.0	315.7	313.3	313.6	312.8	313.2	313.9	313.4	314.0	313.2	312.9	314.2	
226	550.5	553.3	554.4	555.6	553.0	554.3	552.9	551.0	551.2	550.4	548.0	545.6	546.6	
227	622.4	626.2	627.4	630.3	628.9	627.2	627.8	627.1	624.2	625.9	622.7	620.3	618.5	
228	713.5	717.4	719.3	722.0	721.1	720.6	720.0	720.5	716.2	716.9	712.4	712.9	708.5	

Table LVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 638 Pi	R: 622 Pi	R: 636 Pi	R: 624 Pi	R: 625 Pi	R: 626 Pi	R: 634 Pi	R: 628 Pi	R: 629 Pi	R: 630 Pi	R: 631 Pi	R: 637 Pi	R: 633 Pi
229	399.8	401.4	402.3	402.3	401.1	402.1	400.3	401.9	400.1	400.7	399.2	397.7	400.2
230	170.4	172.3	172.1	170.6	168.8	169.7	169.7	170.0	167.4	168.9	172.0	172.4	173.7
231	628.3	594.4	575.4	558.0	539.4	529.4	521.3	512.2	500.4	483.9	466.8	452.4	432.4
232	774.3	742.2	729.6	710.7	696.6	686.7	677.9	670.9	661.8	640.3	622.3	610.2	586.4
233	567.5	600.4	618.0	632.1	649.0	657.0	664.0	672.7	679.0	697.0	713.7	727.1	754.3
234	433.0	459.6	476.6	487.1	504.6	511.7	519.1	526.8	533.1	549.9	571.0	588.3	614.8
235	274.9	251.0	238.8	231.6	225.8	221.0	219.3	214.3	211.8	209.9	200.2	193.3	178.0
236	223.8	211.9	206.2	201.5	197.7	194.7	194.5	191.1	189.9	190.9	182.4	180.4	170.3
237	177.5	174.0	173.0	170.6	166.0	166.9	166.6	167.0	165.1	166.0	167.7	167.2	159.8
238	172.1	166.2	166.4	163.5	160.6	161.5	160.8	162.0	160.2	161.2	164.7	162.7	161.5
239	159.3	160.6	159.5	159.4	158.0	159.1	158.4	159.1	157.8	158.5	158.7	161.9	161.6
240	123.6	126.3	127.2	127.8	126.6	126.6	128.7	131.2	129.0	130.0	127.1	127.8	124.6
241	145.1	145.5	150.5	146.4	142.7	144.2	142.0	141.0	139.1	138.6	137.6	139.9	135.4
242	77.7	79.9	80.4	82.1	86.1	88.6	90.9	91.1	87.9	82.5	80.6	79.3	78.1
243	183.5	179.5	178.6	178.3	178.4	179.1	179.7	178.2	176.9	178.8	179.5	180.7	184.8
244	298.5	302.0	303.2	301.8	299.5	300.3	300.8	299.8	297.6	299.5	302.9	300.3	298.9
245	303.7	310.2	309.1	310.4	308.9	309.0	308.3	308.2	307.1	306.3	305.4	308.2	304.5
246	315.9	296.6	288.6	278.7	270.3	263.9	260.0	256.4	250.6	243.1	238.8	229.6	212.9
247	277.1	254.9	241.8	234.9	227.9	224.6	219.9	217.5	216.0	207.3	198.8	190.3	174.2
248	257.8	237.1	227.0	221.9	212.8	211.8	209.5	201.0	200.5	189.9	182.4	170.7	156.3
249	156.6	167.9	176.4	184.7	192.7	197.0	202.1	205.7	209.0	217.0	224.9	234.2	253.0
250	251.0	234.4	227.2	216.7	205.0	198.6	191.4	185.0	177.4	160.4	145.0	129.1	102.2
251	162.0	151.3	147.4	141.4	137.8	134.0	131.0	127.6	125.2	121.9	118.0	114.2	108.0
252	423.0	424.0	425.2	425.6	423.6	423.0	423.4	424.0	422.3	423.3	419.2	418.3	419.1

Table LIX: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 145	R: 146	R: 147	R: 148	R: 149	R: 150	R: 151	R: 152	R: 153	R: 154	R: 155	R: 156	R: 157
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	268.4	267.1	266.7	266.7	266.5	266.9	267.5	268.7	269.3	267.4	266.3	268.0	265.6
3	417.8	391.2	377.8	360.9	350.5	345.2	338.2	330.6	326.1	311.5	301.8	290.8	268.4
4	282.8	304.9	310.6	326.0	335.2	342.2	349.5	355.0	365.0	377.1	391.2	403.4	435.1
5	427.3	398.7	383.8	366.2	355.6	350.0	343.1	334.1	329.4	314.1	303.6	292.9	270.6
6	282.9	304.4	311.9	327.2	336.1	344.7	351.4	357.8	366.3	380.5	395.3	408.0	441.6
7	431.9	404.1	389.7	372.4	362.3	356.1	348.1	339.7	333.8	320.0	307.8	297.6	275.0
8	288.6	312.6	319.2	332.6	343.3	351.1	357.4	363.9	373.7	387.6	401.5	416.0	448.0
9	376.5	373.7	375.8	377.0	376.8	376.0	374.4	374.9	375.1	375.0	374.9	374.7	375.3
10	214.1	214.8	214.9	212.1	212.9	213.7	214.9	215.0	214.3	214.9	214.7	213.8	216.0
11	394.4	365.9	349.9	338.2	326.1	317.6	311.2	306.3	298.0	286.9	275.3	266.2	241.8
12	249.1	272.3	282.9	291.4	303.2	307.7	315.7	321.0	328.3	344.8	356.8	369.5	400.6
13	385.0	354.6	337.4	326.6	313.6	305.0	298.4	293.6	284.5	274.3	262.8	254.7	229.9
14	238.5	264.3	273.9	282.0	295.0	297.4	306.2	311.4	318.8	334.5	347.3	360.2	390.9
15	371.7	342.9	328.8	316.4	305.6	297.5	291.8	287.8	279.7	268.6	258.8	250.9	226.9
16	228.5	251.6	260.2	269.0	279.8	282.9	291.8	295.1	304.0	318.1	330.4	342.0	370.9
17	377.4	381.1	382.8	383.1	383.3	384.4	387.2	387.4	386.0	385.6	381.8	380.9	376.4
19	300.5	276.6	268.5	256.6	247.5	241.7	234.8	231.4	226.2	218.5	211.3	201.3	184.1
20	187.6	205.1	214.6	222.5	226.1	231.5	238.3	240.1	245.0	257.0	267.8	280.1	301.1
21	277.8	259.8	246.4	237.7	227.7	223.1	220.5	214.3	212.2	204.0	193.8	184.7	172.0
22	172.8	191.0	198.2	207.1	217.6	220.5	221.0	224.2	229.4	236.7	250.2	260.0	283.7
23	240.0	218.9	208.7	202.2	194.5	191.0	188.7	184.3	179.9	171.3	164.4	157.0	149.7
24	144.8	157.3	165.3	171.2	180.6	183.8	187.3	193.1	195.4	200.5	210.1	214.2	236.6
25	227.6	208.3	201.6	193.2	187.7	182.9	179.1	174.2	170.1	164.2	155.6	152.5	143.1
26	142.5	154.2	160.7	169.0	175.5	179.5	184.5	187.2	191.6	201.2	203.0	210.5	230.6
43	374.6	344.4	327.6	315.3	305.3	297.5	290.6	285.7	279.6	269.1	257.6	250.6	228.1
44	233.9	259.4	267.4	275.5	285.5	290.6	299.1	305.3	311.1	328.4	340.6	354.6	384.7
67	212.8	196.3	190.2	182.9	177.3	173.5	168.5	164.5	160.9	156.9	148.4	146.0	137.5
68	139.3	148.0	154.8	163.1	167.6	172.6	176.9	179.4	183.3	192.6	194.1	203.4	218.8
85	466.0	437.3	422.4	406.8	392.3	386.5	380.5	371.3	364.3	351.7	339.0	325.9	303.5
86	317.0	335.1	344.7	351.9	365.7	371.2	377.2	384.3	390.1	400.9	411.5	425.3	449.8
87	349.7	334.8	327.5	319.0	312.4	310.0	307.1	302.4	297.7	290.5	285.2	276.5	263.7
88	273.4	286.4	289.3	295.1	303.1	306.4	310.3	314.1	317.8	325.3	332.1	337.9	352.1
89	152.7	150.0	150.3	149.5	149.7	148.7	148.4	147.5	148.5	146.2	147.3	145.1	143.2
90	144.8	148.1	148.5	148.5	147.3	148.6	150.7	150.2	150.6	149.4	150.5	151.1	152.3
91	147.6	147.2	146.6	146.0	146.3	145.9	146.9	145.7	147.1	146.2	146.4	147.1	146.6
921	404.3	406.1	407.3	407.0	406.5	406.4	406.9	406.5	407.0	407.1	406.2	403.2	406.4

Table LIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 145	R: 146	R: 147	R: 148	R: 149	R: 150	R: 151	R: 152	R: 153	R: 154	R: 155	R: 156	R: 157	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	299.6	301.4	301.1	304.2	302.1	301.7	302.2	302.7	302.9	300.2	302.0	300.9	301.6	
93	209.2	208.6	209.2	206.6	207.2	207.9	209.4	209.3	209.8	208.7	208.6	207.9	209.9	
94	290.3	289.2	290.6	291.8	292.9	292.7	294.1	295.2	296.6	295.9	296.4	297.5	298.0	
95	153.9	155.9	154.2	154.4	154.1	153.7	154.0	153.8	155.1	154.3	154.7	154.9	155.8	
125	263.6	241.2	230.2	218.6	210.3	205.9	201.1	199.8	194.9	184.1	175.0	167.2	150.8	
126	163.1	179.5	189.3	200.4	207.9	213.9	216.8	218.2	224.2	234.1	242.4	253.3	281.7	
128	307.8	319.0	325.3	309.8	301.9	302.1	303.1	302.0	301.5	304.6	311.5	305.7	306.1	
132	126.2	129.9	130.9	132.1	132.1	131.8	132.1	131.8	133.0	132.0	131.9	130.1	127.2	
201	823.5	825.8	828.8	832.9	831.3	831.8	832.0	830.9	827.3	829.0	825.7	825.8	819.1	
202	917.4	920.5	925.6	930.9	930.4	931.9	929.4	929.2	926.3	928.8	924.6	923.0	912.1	
203	955.5	959.1	964.3	968.4	968.2	970.7	969.8	968.0	967.5	969.5	965.5	964.0	953.7	
204	928.0	931.4	935.2	941.6	940.7	944.5	943.1	940.2	937.8	939.8	938.0	935.6	925.6	
205	830.3	833.5	839.1	842.0	846.3	846.7	845.6	844.2	842.6	844.1	843.3	840.4	832.4	
206	707.2	708.6	712.6	718.4	722.4	720.3	717.7	716.6	715.3	716.4	715.5	713.1	705.8	
207	603.2	604.7	607.3	612.2	614.4	612.4	612.5	611.2	610.5	610.6	610.9	609.1	606.1	
208	537.9	538.5	541.3	546.0	545.7	547.4	547.4	545.8	545.4	546.0	544.0	542.9	540.4	
209	817.9	791.6	780.2	767.0	753.6	745.8	733.8	727.1	722.6	703.8	687.5	670.2	640.5	
210	888.9	869.5	862.7	854.6	844.5	836.0	827.2	820.5	817.1	803.8	787.5	774.1	744.0	
211	931.3	924.6	924.2	923.1	918.3	912.2	908.4	902.5	899.7	894.2	883.1	876.1	852.5	
212	866.4	881.9	890.7	900.6	910.5	919.3	918.2	921.7	922.5	930.5	936.2	939.5	943.1	
213	773.8	795.3	805.9	822.6	837.2	844.8	850.5	856.0	860.4	872.3	884.2	893.7	910.2	
214	655.2	684.2	697.0	717.3	735.5	743.5	753.4	760.3	769.0	782.5	800.7	813.0	838.8	
215	397.2	397.2	396.7	396.1	395.2	393.8	394.5	393.3	393.9	393.1	391.4	390.4	389.7	
216	451.9	424.7	411.0	395.0	381.9	376.8	370.9	362.5	354.6	342.7	331.4	318.1	297.3	
217	312.6	334.6	344.1	354.2	368.9	376.0	381.9	390.8	399.4	412.8	427.2	444.5	475.0	
218	305.9	304.0	302.4	302.4	300.8	300.0	300.5	300.9	299.7	297.0	296.0	295.2	292.4	
219	265.5	248.4	236.0	227.6	218.6	214.3	212.7	206.9	206.1	196.7	187.2	179.6	167.3	
220	171.1	188.4	195.2	202.9	213.2	215.8	217.1	220.0	225.3	231.1	243.2	253.4	275.0	
221	218.5	201.0	193.7	187.6	179.3	174.7	171.2	167.5	165.4	157.5	154.2	150.3	142.8	
222	137.9	148.3	154.0	162.0	169.2	172.4	175.6	179.6	184.6	191.2	199.8	203.5	218.4	
223	207.1	192.8	187.9	180.3	171.0	167.2	164.7	161.9	159.2	153.0	150.1	145.0	139.5	
224	133.7	144.5	148.7	155.2	161.9	166.6	170.1	171.4	176.2	182.3	192.0	197.3	213.0	
225	308.3	309.6	307.1	307.9	310.3	309.2	308.9	308.8	308.7	309.2	311.2	310.3	308.3	
226	537.0	539.4	540.3	543.9	543.9	543.9	544.7	544.5	545.0	545.2	544.7	542.3	540.7	
227	612.6	612.7	615.3	618.7	617.9	619.0	619.7	620.0	618.4	620.1	617.0	617.4	613.6	
228	696.6	702.3	705.0	709.2	707.6	708.9	707.6	707.6	706.8	707.6	706.5	707.5	702.5	

Table LIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 145	R: 146	R: 147	R: 148	R: 149	R: 150	R: 151	R: 152	R: 153	R: 154	R: 155	R: 156	R: 157	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	387.6	386.5	388.7	390.6	392.1	391.5	391.1	389.2	389.5	389.7	390.7	391.3	389.1	
230	167.7	166.5	165.9	165.6	164.9	164.8	165.6	164.9	165.4	165.1	164.5	165.8	165.9	
231	600.3	573.9	558.1	540.7	520.7	511.7	503.9	498.1	487.8	470.4	456.1	440.6	420.6	
232	743.7	718.7	707.1	692.9	676.5	666.4	659.2	654.5	648.2	626.8	610.5	596.5	565.9	
233	563.9	594.5	607.5	629.0	646.3	654.2	663.3	670.8	678.0	692.1	712.4	725.9	755.5	
234	429.1	453.4	469.7	483.1	499.8	507.7	518.9	526.7	535.2	548.5	569.6	585.7	617.5	
235	259.7	244.0	232.9	225.0	215.1	212.4	209.2	205.1	201.5	196.5	189.3	182.2	170.7	
236	214.1	205.1	199.0	194.8	190.3	188.3	187.5	184.3	182.5	179.9	175.7	169.7	163.2	
237	172.7	168.1	169.2	166.8	165.0	163.5	163.0	161.7	161.2	160.3	161.1	158.7	154.2	
238	166.5	161.0	161.6	158.9	157.0	157.6	158.7	157.7	157.3	156.7	157.2	157.8	155.2	
239	155.8	156.4	154.2	155.2	154.4	153.9	154.5	154.7	154.6	154.5	154.5	155.1	154.3	
240	123.4	124.3	125.1	125.1	124.3	124.7	127.6	130.1	131.3	130.1	124.4	122.5	121.5	
241	140.1	141.0	141.8	141.1	137.8	137.2	137.9	137.7	136.9	135.2	134.9	134.9	135.3	
242	79.0	80.5	81.3	84.4	88.2	88.7	89.7	87.6	83.4	79.1	78.9	78.5	77.4	
243	181.5	178.0	178.2	177.0	176.5	176.3	176.6	175.7	175.6	176.4	176.5	177.2	183.7	
244	297.3	297.1	297.3	296.6	293.9	294.6	295.3	294.9	295.3	295.1	295.5	293.1	292.0	
245	303.7	305.1	303.2	303.0	304.0	304.2	302.8	301.9	302.7	304.9	301.6	300.9	297.2	
246	307.7	287.6	280.6	272.5	262.3	260.0	254.6	249.3	245.9	237.5	231.5	221.4	203.9	
247	265.0	247.3	234.8	226.9	217.1	214.4	209.5	205.6	203.5	197.5	188.1	179.5	166.7	
248	249.6	228.2	217.5	209.5	201.6	201.0	195.2	190.5	186.7	177.0	170.6	161.2	151.0	
249	153.4	168.0	176.5	184.2	194.6	197.8	203.0	205.7	210.6	216.3	223.3	232.7	252.8	
250	243.2	223.0	213.4	202.1	191.4	184.2	177.4	170.2	162.4	146.4	133.5	120.5	97.4	
251	154.6	143.7	137.7	132.4	129.3	126.5	124.2	123.2	122.7	119.3	114.6	113.3	107.1	
252	406.9	408.5	411.6	415.0	415.3	415.6	413.3	413.3	412.5	411.6	414.2	409.3	410.5	

Table LX: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 32	R: 33	R: 34	R: 35	R: 36	R: 37	R: 38	R: 39	R: 40
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	268.7	267.7	268.1	268.7	269.0	268.7	269.5	269.3	268.3
3	372.3	365.7	352.5	340.2	328.3	316.4	305.2	294.5	272.9
4	318.1	324.4	336.4	348.5	361.7	374.6	388.8	401.0	428.7
5	379.0	371.7	358.5	345.0	333.3	321.0	308.8	297.0	275.5
6	320.0	324.3	337.5	349.7	364.2	378.0	391.2	405.1	432.7
7	384.6	377.9	363.9	350.5	338.5	326.3	314.1	301.5	279.5
8	326.1	331.5	343.3	356.6	369.7	383.8	397.6	412.6	440.0
9	371.6	371.0	370.7	370.9	368.8	369.6	369.0	368.6	366.9
10	215.9	214.7	215.2	215.1	213.9	214.3	214.5	214.3	214.1
11	348.1	340.6	328.4	315.0	304.0	291.6	279.7	268.5	247.3
12	286.4	292.4	304.3	315.9	328.0	341.3	353.6	366.8	395.3
13	335.9	328.9	315.6	302.8	290.2	279.1	267.7	256.6	236.1
14	275.8	283.1	295.0	307.1	318.8	331.6	345.6	357.6	385.9
15	325.7	318.5	305.7	294.6	282.9	272.4	261.4	250.2	231.6
16	262.7	269.4	279.7	290.8	302.2	314.6	326.4	339.5	364.4
17	379.6	381.5	381.9	381.1	381.6	380.9	378.3	375.2	371.1
19	264.8	258.9	248.3	239.1	229.3	220.1	211.8	203.6	188.2
20	214.3	219.1	229.0	237.8	247.9	256.8	267.3	277.7	298.7
21	246.2	241.1	231.0	221.5	212.4	203.9	195.5	188.5	174.1
22	200.6	203.3	211.4	220.8	229.5	238.7	249.1	259.3	280.5
23	210.6	206.8	197.9	190.0	181.9	175.0	168.6	162.5	150.8
24	168.7	170.4	177.8	185.0	192.0	200.4	209.3	218.1	236.9
25	202.2	198.2	190.2	182.6	175.2	169.2	162.9	156.9	145.3
26	165.7	168.1	175.1	181.4	189.3	196.5	205.1	214.0	232.6
43	325.8	320.1	307.4	296.0	285.5	274.2	264.4	254.3	235.8
44	269.8	275.5	287.8	299.0	311.8	324.2	337.9	351.6	379.1
67	191.9	186.6	179.0	172.7	166.6	160.9	154.8	149.7	140.2
68	160.5	162.7	169.1	175.4	182.6	189.5	198.9	205.7	225.0
85	416.7	408.6	395.7	382.1	369.4	356.1	343.5	331.0	307.0
86	349.6	354.1	365.2	375.2	386.5	397.7	408.9	419.3	442.3
87	326.5	322.6	317.1	309.6	302.4	294.8	287.8	282.1	268.2
88	293.2	296.2	302.6	310.0	315.9	322.6	328.8	336.4	348.9
89	156.5	155.1	154.8	154.5	152.9	151.9	151.8	151.0	149.0
90	152.1	152.1	152.3	154.2	154.8	155.5	155.9	156.7	158.0
91	153.1	151.8	152.0	152.4	152.5	151.6	152.2	152.2	152.0
921	400.2	401.7	402.1	401.7	402.6	402.3	402.5	400.8	398.8

Table LX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β									
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 32	R: 33	R: 34	R: 35	R: 36	R: 37	R: 38	R: 39	R: 40	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	302.5	303.2	301.2	302.2	302.0	301.7	301.7	301.0	300.2	
93	210.5	209.6	209.6	208.8	209.7	209.7	209.7	209.3	209.0	
94	292.6	292.9	293.4	294.5	295.6	296.3	297.2	298.3	298.7	
95	162.9	162.5	162.0	162.4	162.5	162.5	161.9	161.9	162.0	
125	227.8	222.7	213.0	203.7	194.7	185.6	177.7	169.7	154.5	
126	190.6	194.5	204.0	213.2	223.2	233.2	244.7	255.0	276.9	
128	320.9	312.9	303.5	303.6	300.5	306.8	312.0	306.1	299.7	
132	131.8	131.3	131.2	131.4	131.5	131.0	131.3	130.6	128.6	
201	827.7	827.8	827.7	825.4	825.3	824.0	820.8	818.4	811.3	
202	927.0	926.2	926.3	925.2	924.3	923.2	920.1	917.1	908.0	
203	964.5	965.5	966.2	966.8	965.2	963.6	962.0	959.2	950.9	
204	937.8	934.9	936.9	936.6	936.0	935.4	932.7	930.4	921.4	
205	839.9	837.9	838.8	837.9	837.8	836.5	834.9	833.0	827.2	
206	712.9	713.0	712.0	712.1	711.5	710.0	709.0	707.4	701.5	
207	605.8	606.4	606.2	606.9	607.2	606.9	605.1	603.8	600.3	
208	541.4	542.1	541.0	541.9	540.7	541.6	540.4	539.6	535.2	
209	769.6	763.9	748.6	734.7	720.3	705.1	689.5	673.7	640.3	
210	853.6	848.7	836.7	825.6	813.0	801.1	788.5	773.5	746.1	
211	920.4	915.7	910.2	903.6	896.4	889.1	881.4	872.6	852.7	
212	897.4	900.0	906.4	914.2	919.0	924.4	929.2	932.8	937.2	
213	815.5	822.7	834.4	845.1	856.7	867.0	878.1	886.5	902.0	
214	706.4	716.1	732.2	747.1	762.3	776.9	790.7	804.3	829.7	
215	392.2	390.5	391.1	389.3	389.3	388.1	387.4	385.9	383.2	
216	405.1	398.6	384.4	371.8	358.9	346.6	335.0	324.1	300.6	
217	351.0	356.8	369.6	382.8	395.5	409.9	424.2	438.1	465.1	
218	304.2	303.3	302.7	301.2	300.1	298.3	297.2	293.0	293.2	
219	235.9	231.3	221.9	213.2	205.1	197.2	190.1	183.0	169.7	
220	197.3	199.9	207.8	216.2	224.8	234.0	243.3	253.2	273.1	
221	195.8	190.0	183.7	176.4	169.8	163.3	157.4	151.9	142.1	
222	160.5	162.5	168.6	175.6	183.3	190.4	198.2	206.3	224.3	
223	185.8	181.6	173.8	167.9	162.8	157.1	152.5	147.6	138.8	
224	155.5	157.4	162.9	169.0	175.7	182.4	189.7	197.5	214.0	
225	306.7	307.0	306.6	306.7	307.6	307.2	305.7	306.0	303.0	
226	537.2	538.4	537.8	537.6	537.3	537.2	535.8	535.8	533.3	
227	612.1	612.7	613.1	612.7	612.8	612.1	610.4	610.2	605.4	
228	702.1	702.6	702.2	702.2	701.5	700.4	699.3	696.6	692.3	

Table LX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β									
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 32	R: 33	R: 34	R: 35	R: 36	R: 37	R: 38	R: 39	R: 40	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	387.7	389.7	387.8	388.2	388.3	387.5	385.7	386.4	384.5	
230	173.3	172.1	172.2	172.3	171.9	171.0	171.1	170.8	169.9	
231	544.6	538.8	520.4	504.2	488.8	473.6	458.3	444.0	417.6	
232	695.2	688.8	674.3	659.5	645.4	629.8	613.5	598.3	565.7	
233	617.0	625.7	639.9	656.7	672.3	688.2	703.0	717.9	746.0	
234	476.5	482.6	496.9	512.4	528.9	544.2	560.9	577.0	608.8	
235	237.3	230.7	221.9	215.8	208.8	201.8	195.3	189.2	175.9	
236	206.9	203.8	199.3	194.6	189.7	186.0	182.0	177.5	171.4	
237	175.4	174.1	171.8	170.2	167.3	166.7	165.7	164.7	159.6	
238	168.6	167.1	164.4	164.5	164.2	163.7	163.5	162.8	160.5	
239	163.4	162.1	162.0	162.0	162.1	162.1	161.9	161.6	160.1	
240	128.1	127.4	127.0	129.0	134.2	133.3	127.8	127.3	125.6	
241	142.9	140.4	139.0	139.0	138.3	138.0	138.0	137.8	136.2	
242	79.9	79.8	83.4	85.2	82.1	77.3	76.8	77.0	75.3	
243	176.0	175.2	174.0	174.9	174.0	175.0	175.1	175.8	180.6	
244	295.1	293.5	294.2	293.8	294.3	292.8	293.1	291.3	289.7	
245	300.7	302.6	302.2	301.5	301.4	299.9	298.0	296.6	293.6	
246	277.4	272.6	264.0	255.4	247.4	238.8	230.3	222.0	205.7	
247	237.0	229.7	221.0	212.8	205.0	197.4	191.2	185.2	172.7	
248	218.5	212.7	203.7	196.3	188.2	180.7	173.5	166.7	153.2	
249	178.8	180.7	188.2	196.3	204.2	213.3	222.5	232.1	251.7	
250	213.1	204.6	194.0	182.6	169.7	155.3	141.2	127.1	101.6	
251	139.1	135.4	131.9	128.2	124.2	120.4	116.8	113.4	107.2	
252	412.6	412.7	410.0	411.0	408.7	409.0	407.8	406.4	404.5	

Table LXI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 90 Pi	R: 89 Pi	R: 88 Pi	R: 87 Pi	R: 86 Pi	R: 85 Pi	R: 84 Pi	R: 83 Pi	R: 82 Pi
2	261.9	262.5	262.7	262.4	264.2	264.3	264.3	263.0	263.8
3	417.8	390.2	378.0	364.7	354.0	341.7	329.5	315.6	311.4
4	279.8	301.5	312.0	322.7	336.6	349.2	360.6	372.8	380.1
5	427.7	399.5	385.4	371.1	360.4	347.5	334.4	320.2	315.2
6	278.7	301.7	312.3	324.0	338.1	351.3	363.7	376.3	383.7
7	433.8	406.3	391.6	378.4	366.5	353.7	339.5	325.7	320.4
8	284.2	306.8	318.0	330.5	344.9	358.5	370.3	383.3	391.2
9	375.3	375.4	376.9	376.5	378.9	379.4	378.7	376.2	377.5
10	211.1	211.2	212.3	211.7	213.0	213.5	212.8	212.4	212.0
11	395.2	366.7	353.5	340.2	329.6	318.1	304.9	292.0	287.4
12	247.5	268.0	279.5	290.7	303.9	315.6	327.9	339.6	346.6
13	383.7	356.7	343.2	329.3	318.3	306.9	293.8	281.2	275.6
14	238.5	258.9	270.5	281.0	294.7	306.5	318.5	330.2	337.8
15	372.2	345.5	332.5	319.6	308.7	297.9	285.2	273.6	269.1
16	227.9	247.3	257.5	267.2	279.5	291.3	301.7	313.5	320.1
17	377.3	383.3	385.8	387.0	387.8	389.3	389.3	389.2	388.2
19	303.4	281.6	270.8	259.3	250.6	240.8	231.0	221.7	217.7
20	186.0	200.4	208.7	216.6	227.0	237.7	246.9	255.6	261.8
21	284.9	262.6	252.6	241.7	232.8	224.3	215.3	205.1	201.7
22	172.3	185.6	193.4	200.5	210.5	219.2	228.1	237.2	242.1
23	241.8	221.8	212.9	203.6	196.7	188.8	181.0	172.9	170.3
24	144.4	155.3	162.8	168.3	176.9	185.1	192.8	200.1	204.5
25	231.7	212.1	203.9	194.4	187.7	180.6	173.7	165.7	163.2
26	141.4	151.5	158.1	164.0	171.8	179.3	186.4	193.9	197.6
43	374.6	346.2	334.0	319.2	308.9	297.2	285.4	273.5	268.9
44	231.2	250.8	262.2	272.2	285.8	298.4	310.9	322.7	329.8
67	217.9	200.3	193.0	184.3	178.5	171.7	165.0	158.3	155.0
68	138.0	147.0	152.8	157.6	165.6	172.6	179.2	186.6	189.3
85	467.5	437.6	422.7	408.5	397.3	383.6	369.8	356.4	349.7
86	312.2	331.0	342.0	352.1	364.7	374.7	385.2	395.1	401.6
87	344.7	331.3	323.7	317.0	312.0	305.3	297.9	290.8	287.7
88	267.5	279.9	286.1	292.2	300.3	306.6	313.6	318.4	322.5
89	151.4	151.2	150.5	150.3	150.9	150.8	148.2	146.9	146.7
90	144.4	146.8	147.4	148.3	150.4	151.4	151.5	151.6	151.6
91	147.2	146.7	146.5	146.8	147.8	148.0	147.7	146.8	147.1
921	405.6	408.5	407.7	408.6	409.6	410.0	409.5	409.0	409.5

Table LXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 90	R: 89	R: 88	R: 87	R: 86	R: 85	R: 84	R: 83	R: 82
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	297.2	296.9	297.8	295.9	298.7	298.7	298.6	296.4	297.6
93	206.3	207.1	206.8	205.7	208.2	208.7	208.1	206.8	207.0
94	284.2	285.4	286.4	286.8	289.0	290.4	291.2	290.8	292.3
95	155.0	156.5	156.8	156.8	158.1	158.2	158.1	157.5	157.7
125	268.1	244.8	234.0	223.2	214.2	203.9	194.7	185.3	181.4
126	159.9	175.6	183.7	191.5	202.8	212.6	222.9	232.9	236.2
128	319.4	320.8	334.0	328.7	311.8	316.6	309.8	323.7	333.8
132	128.0	130.8	131.2	131.3	132.4	132.5	132.0	130.9	131.4
201	831.3	837.0	837.2	837.7	842.4	841.1	839.1	836.2	836.6
202	926.4	933.5	934.2	935.2	940.1	939.3	935.0	932.2	932.0
203	961.9	969.4	971.1	972.9	978.0	976.4	972.8	970.5	970.0
204	931.6	937.1	938.7	939.9	945.0	944.0	941.9	939.5	937.4
205	830.4	836.4	836.7	837.4	842.5	842.0	840.5	838.4	839.2
206	705.5	709.9	709.3	709.9	714.7	712.8	711.2	708.9	709.0
207	598.2	601.3	603.6	602.4	606.6	607.1	605.3	604.6	604.2
208	533.1	537.6	538.4	538.3	541.9	542.1	541.8	539.9	540.1
209	823.7	797.8	783.0	766.5	756.0	740.2	724.5	707.0	700.8
210	895.9	876.6	866.4	853.5	845.0	833.0	818.4	803.9	798.0
211	938.5	933.3	928.2	920.6	919.1	912.5	904.1	891.3	889.1
212	867.6	886.1	894.5	899.7	912.4	919.8	924.9	927.2	931.0
213	770.1	797.8	809.9	820.4	837.6	849.5	860.1	868.6	875.8
214	651.2	683.6	699.4	714.7	733.8	749.7	764.5	777.2	786.7
215	398.7	398.3	396.9	397.3	398.5	397.2	395.8	394.5	395.2
216	452.5	424.7	409.7	397.2	385.6	373.0	359.8	347.3	339.7
217	307.3	331.0	341.6	355.1	369.5	382.9	395.0	408.0	415.2
218	300.0	299.0	297.2	297.7	297.8	296.2	294.2	293.8	292.2
219	272.0	251.5	241.2	232.3	224.4	215.6	207.0	198.6	194.0
220	170.1	183.5	189.2	197.5	206.3	215.1	223.1	232.0	235.5
221	222.8	204.2	194.9	187.8	181.7	174.2	167.5	160.9	157.4
222	138.8	147.8	152.3	159.5	166.8	173.5	179.9	187.2	190.6
223	211.3	194.8	186.0	180.0	173.8	166.9	161.0	154.8	151.0
224	135.2	143.5	147.3	153.6	160.3	165.6	171.2	177.5	181.0
225	305.2	306.8	306.8	308.9	310.2	310.0	308.4	307.1	308.0
226	540.8	545.4	547.2	545.4	549.0	549.1	547.2	545.3	547.2
227	617.3	621.2	622.1	621.0	625.2	625.4	623.8	620.7	623.1
228	707.3	712.8	714.1	712.6	716.9	715.8	714.8	711.3	714.1

Table LXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 90 Pi	R: 89 Pi	R: 88 Pi	R: 87 Pi	R: 86 Pi	R: 85 Pi	R: 84 Pi	R: 83 Pi	R: 82 Pi
229	383.4	383.7	384.5	383.2	386.7	387.4	386.3	384.8	385.3
230	165.4	165.7	164.7	165.1	166.8	166.8	167.3	166.3	166.7
231	607.2	574.3	558.5	540.3	526.1	509.9	492.5	475.0	470.0
232	752.1	723.9	708.7	692.7	680.1	664.7	649.7	631.8	624.3
233	561.6	594.9	610.9	625.7	644.6	659.9	675.8	689.0	698.2
234	428.7	456.9	469.9	483.0	502.0	517.6	533.2	546.7	555.5
235	263.8	245.2	234.4	227.4	220.2	212.9	205.5	197.5	194.3
236	214.2	204.6	199.6	195.2	193.2	188.6	184.6	179.2	176.9
237	171.4	169.2	168.0	168.5	167.6	165.1	163.6	162.4	160.4
238	166.0	164.4	162.1	162.1	161.8	160.9	161.0	159.8	158.1
239	157.1	157.1	156.2	157.4	158.6	158.6	158.2	157.1	156.0
240	121.6	122.7	121.9	123.3	124.6	124.9	129.9	129.2	125.7
241	139.5	137.9	137.8	139.3	137.8	136.2	135.3	133.9	132.5
242	79.3	80.8	80.0	82.4	87.5	89.2	86.2	80.5	78.8
243	185.3	180.0	179.2	178.9	179.3	180.1	178.8	179.4	179.3
244	293.8	296.0	295.6	296.3	297.9	297.0	297.1	295.6	294.0
245	297.2	301.5	301.5	302.3	303.9	303.5	302.2	299.5	299.7
246	311.2	294.4	284.7	276.2	269.4	260.4	251.7	242.7	236.9
247	269.6	249.9	239.6	231.5	223.5	215.2	206.9	198.9	195.2
248	250.4	230.9	220.6	211.7	204.0	196.3	187.5	179.2	175.8
249	152.6	165.7	172.1	180.5	189.3	197.4	205.6	213.9	219.2
250	251.2	231.8	218.5	206.7	195.5	182.8	166.9	151.7	145.3
251	156.8	146.0	140.3	136.2	132.6	128.4	123.9	119.8	118.7
252	406.9	407.0	408.3	406.8	410.8	409.7	410.1	408.0	407.5

Table LXII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 796	R: 797	R: 798	R: 799	R: 800	R: 801	R: 802	R: 803	R: 804	R: 805	R: 806	R: 807	R: 808	R: 809
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	375.4	406.0	439.0	475.8	513.5	552.8	596.1	640.2	685.4	733.1	779.5	825.6	872.9	919.5
3	510.0	519.1	526.9	535.9	541.0	544.3	547.2	550.8	547.8	546.1	542.5	533.6	528.1	522.4
4	510.7	520.0	525.8	534.9	542.1	552.4	558.9	550.6	549.3	547.9	543.2	536.2	530.6	524.1
5	521.5	530.8	533.0	529.4	528.6	527.5	524.6	523.2	517.2	512.7	509.0	501.1	493.2	486.6
6	519.1	522.6	522.2	525.1	524.4	525.0	527.6	522.1	515.7	507.4	499.9	491.8	484.0	477.5
7	534.5	533.4	527.3	522.3	515.8	512.0	506.5	499.8	492.4	485.4	478.1	466.9	463.2	457.5
8	532.9	532.1	526.2	524.0	520.0	515.4	509.4	497.0	492.4	486.7	479.0	470.3	462.3	457.1
9	610.7	572.9	528.8	493.4	454.2	421.5	388.0	361.6	330.6	304.1	279.4	255.0	234.2	215.5
10	297.3	324.0	352.7	384.6	416.1	453.9	491.3	530.7	572.0	615.2	662.3	706.2	751.5	798.0
11	436.1	443.5	443.2	438.9	440.7	442.1	442.0	443.9	442.6	440.5	438.2	431.8	425.8	417.4
12	415.6	422.2	423.6	427.2	429.8	433.2	431.7	433.6	432.5	429.9	424.3	419.3	414.3	408.4
13	431.3	437.3	433.8	435.9	432.0	434.2	433.9	436.0	433.6	433.1	431.1	429.1	428.6	429.3
14	419.7	423.1	422.4	426.4	424.2	428.1	431.6	428.3	427.3	424.0	421.1	418.5	414.3	410.7
15	450.9	449.5	443.5	440.4	436.2	431.3	426.1	421.7	417.5	412.5	407.4	403.9	402.2	399.9
16	432.6	431.9	426.0	423.1	419.7	417.2	413.3	411.7	405.5	401.2	397.1	393.2	389.2	389.2
17	650.5	608.2	565.1	524.8	481.9	440.6	404.9	369.3	325.6	294.8	267.7	248.6	227.5	210.1
19	359.9	363.5	356.1	359.3	360.6	361.5	360.6	364.9	361.5	364.2	362.9	363.7	366.8	366.5
20	350.2	352.4	353.7	353.7	354.9	354.3	351.6	358.4	358.7	356.8	355.8	357.3	357.0	357.8
21	343.7	343.6	340.6	341.4	343.8	340.9	347.9	349.2	347.2	347.4	343.5	339.4	339.9	342.9
22	325.9	326.7	325.8	327.9	328.3	333.1	333.8	333.4	335.5	335.5	330.6	325.8	328.0	327.6
23	300.4	301.3	297.9	299.6	298.9	299.3	297.1	298.3	297.1	299.1	302.5	304.3	301.7	299.0
24	295.6	298.2	294.7	296.7	293.8	292.7	289.7	287.8	285.0	285.3	286.7	289.6	291.4	292.6
25	284.5	285.5	283.2	281.3	276.9	277.6	275.5	276.9	275.3	274.5	272.9	271.8	271.7	269.9
26	269.4	268.8	266.4	268.1	265.6	266.1	265.5	263.9	262.0	261.5	260.2	259.0	258.7	259.8
43	441.6	452.0	450.4	459.7	472.1	480.0	485.3	494.8	496.8	499.7	504.8	504.3	504.4	495.8
44	411.0	426.0	433.5	444.4	454.0	466.9	470.3	473.0	475.5	478.3	481.8	483.0	479.8	479.7
67	262.6	266.7	266.8	269.1	270.1	273.7	273.2	276.3	278.2	279.0	282.1	285.0	283.9	280.4
68	254.5	256.6	258.9	264.0	264.4	269.7	267.5	268.8	268.8	268.5	270.2	272.1	273.2	274.7
85	580.6	585.3	584.9	586.8	586.0	584.0	582.3	580.6	574.9	568.6	561.4	549.7	536.4	522.7
86	582.5	589.6	592.4	593.6	593.5	593.7	592.5	592.5	583.9	576.7	567.2	557.7	548.8	538.1
87	439.5	467.8	496.7	527.9	555.6	585.9	615.4	645.8	676.0	708.2	740.5	763.6	789.3	817.3
88	436.8	465.6	494.8	529.6	558.4	588.2	618.7	650.2	682.2	712.2	740.8	766.5	797.0	824.6
89	207.5	224.9	242.9	265.6	285.1	311.7	339.0	369.5	400.0	435.3	471.2	513.6	548.4	589.2
90	204.9	222.5	241.8	263.7	285.2	311.8	337.0	368.3	403.7	435.2	471.8	509.2	546.1	585.7
91	206.9	222.3	239.3	259.4	282.8	308.6	335.9	364.9	399.8	431.0	472.0	512.7	552.7	590.7
921	661.3	620.6	574.5	534.7	494.4	458.5	420.3	389.2	356.7	330.2	303.9	281.3	257.5	234.6

Table LXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 796	R: 797	R: 798	R: 799	R: 800	R: 801	R: 802	R: 803	R: 804	R: 805	R: 806	R: 807	R: 808	R: 809
922	Pi 424.1	Pi 456.7	Pi 487.8	Pi 526.3	Pi 568.2	Pi 612.0	Pi 655.2	Pi 696.7	Pi 743.9	Pi 791.2	Pi 845.1	Pi 898.0	Pi 947.9	Pi 994.3
93	290.0	317.2	344.1	374.3	407.6	443.9	479.5	518.1	562.6	604.2	650.2	692.4	738.7	779.8
94	410.5	444.1	476.4	515.4	554.8	600.2	643.5	687.0	738.8	789.1	843.1	891.1	938.3	985.4
95	215.1	235.1	254.4	276.7	301.5	328.6	357.5	388.0	421.3	459.8	498.8	537.9	577.1	624.3
125	315.1	317.0	318.0	319.7	318.7	315.0	309.5	304.5	296.9	293.1	290.4	287.3	283.8	276.6
126	318.6	318.5	318.3	317.7	314.4	314.0	307.8	305.3	298.0	293.1	286.5	281.5	275.6	270.1
128	524.4	464.9	421.7	388.3	359.6	332.3	309.5	287.9	265.9	248.9	232.7	223.0	210.5	199.3
132	190.3	199.2	208.7	223.1	237.7	255.8	280.1	299.5	326.3	353.2	387.8	416.1	453.9	483.0
201	1297.6	1258.5	1219.0	1176.4	1128.5	1076.6	1026.0	980.8	926.8	876.3	824.8	776.2	723.3	682.5
202	1422.5	1398.7	1383.5	1360.8	1326.2	1290.1	1255.6	1214.1	1176.5	1132.4	1088.8	1046.5	1003.2	956.0
203	1461.8	1465.8	1460.5	1453.6	1438.8	1409.8	1390.6	1376.7	1346.5	1312.9	1274.5	1233.5	1195.7	1152.4
204	1395.1	1418.8	1428.2	1441.4	1457.3	1462.6	1463.1	1459.3	1450.4	1436.6	1416.7	1389.0	1361.9	1337.4
205	1233.3	1273.0	1308.8	1345.3	1370.1	1394.8	1416.6	1436.1	1450.9	1456.3	1457.8	1455.5	1435.8	1443.1
206	1032.2	1083.2	1132.5	1178.1	1217.2	1250.7	1294.2	1328.0	1351.7	1386.6	1406.7	1425.6	1440.6	1449.2
207	872.3	923.4	970.0	1017.8	1063.5	1107.8	1150.9	1194.2	1236.5	1274.5	1308.9	1339.3	1368.3	1390.9
208	788.5	825.9	868.1	911.0	953.2	999.8	1043.7	1087.9	1133.4	1173.2	1216.3	1252.5	1289.1	1321.3
209	1115.9	1119.9	1129.9	1135.1	1127.0	1127.3	1120.6	1112.9	1100.8	1084.8	1066.5	1045.1	1023.0	995.4
210	1245.0	1261.8	1264.2	1274.1	1284.6	1281.8	1278.8	1275.2	1261.6	1244.8	1225.6	1204.3	1181.3	1153.9
211	1351.4	1374.3	1392.1	1405.8	1410.6	1413.1	1397.3	1410.5	1396.4	1380.9	1363.2	1339.0	1313.2	1273.8
212	1357.7	1381.6	1399.4	1411.0	1414.7	1418.2	1417.2	1416.5	1403.3	1388.3	1370.4	1346.6	1320.2	1292.4
213	1255.5	1273.9	1287.1	1293.6	1295.9	1298.0	1292.6	1287.4	1277.8	1257.9	1244.3	1217.7	1198.4	1172.5
214	1108.5	1116.4	1127.4	1125.3	1124.1	1125.6	1120.2	1109.6	1098.0	1082.7	1062.3	1049.3	1029.3	1003.8
215	637.9	598.9	556.5	517.5	480.7	444.2	410.6	381.3	351.3	324.9	298.7	273.6	251.5	230.9
216	556.0	567.4	574.6	583.5	587.3	593.4	597.9	597.7	597.9	595.7	592.3	584.8	579.2	573.5
217	558.8	572.9	576.8	586.8	592.6	596.8	604.1	599.3	598.7	596.2	592.5	587.1	581.2	575.7
218	420.5	454.6	489.5	525.9	564.7	610.6	652.4	696.0	744.6	790.4	841.4	890.4	938.5	984.2
219	331.4	333.0	336.0	342.1	342.0	343.5	346.3	346.3	345.6	345.7	346.3	345.3	347.5	346.4
220	316.0	319.8	320.2	324.0	328.6	331.1	330.6	331.6	331.7	331.7	329.4	329.7	329.4	329.8
221	267.8	271.5	272.9	274.1	274.1	275.2	275.8	277.2	276.2	275.8	276.6	273.1	273.6	277.0
222	252.3	255.6	257.4	258.3	260.6	263.8	264.3	262.7	264.1	263.6	263.5	262.0	262.5	266.9
223	252.4	259.2	262.3	266.6	267.7	269.8	270.0	269.8	269.9	268.7	269.5	270.2	269.7	272.0
224	241.0	245.5	246.6	251.3	253.1	256.7	258.7	256.5	258.4	257.0	257.3	260.1	262.2	263.9
225	502.0	467.0	431.1	396.2	364.4	335.1	311.3	288.0	265.0	246.8	228.2	212.6	197.4	187.3
226	867.3	825.9	777.7	735.0	691.8	652.0	610.8	569.8	527.5	487.1	451.7	420.8	385.2	357.0
227	982.9	934.5	884.5	838.0	783.5	725.2	681.7	643.0	592.0	547.3	510.8	472.4	437.8	404.5
228	1119.5	1070.5	1021.9	969.8	912.5	851.6	792.2	731.1	674.1	632.3	580.8	540.6	500.9	469.8

Table LXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 796	R: 797	R: 798	R: 799	R: 800	R: 801	R: 802	R: 803	R: 804	R: 805	R: 806	R: 807	R: 808	R: 809
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	551.2	587.3	630.7	676.9	728.5	776.4	820.9	867.2	917.6	960.2	1011.3	1058.0	1103.7	1147.4
230	228.1	250.5	271.7	297.5	322.8	352.9	385.4	416.0	454.3	489.7	530.1	572.3	614.7	654.7
231	784.2	781.1	777.9	775.7	770.7	766.5	759.0	751.5	740.7	727.8	718.3	705.9	687.8	671.2
232	1005.3	1011.8	1012.3	1013.2	1004.3	999.7	992.5	981.9	968.7	949.7	934.4	913.2	891.2	865.6
233	978.8	981.3	981.1	980.2	977.8	970.4	963.0	952.8	937.8	924.2	907.2	894.5	875.1	857.4
234	769.6	767.2	761.4	758.4	754.7	749.0	740.4	733.1	721.5	712.2	701.8	689.9	673.3	659.0
235	302.4	319.9	332.9	345.7	356.8	365.8	373.3	378.2	382.7	388.7	389.0	391.4	392.7	387.3
236	262.6	286.6	305.3	329.3	349.3	372.6	390.4	411.0	430.4	449.1	467.3	489.7	506.3	523.6
237	225.9	247.0	266.8	292.8	317.0	344.5	374.4	401.1	433.8	467.7	501.7	536.6	573.7	615.0
238	220.9	243.5	261.5	282.8	309.6	337.4	366.5	395.9	430.0	467.0	503.2	541.3	581.5	624.7
239	212.9	232.5	251.6	274.6	299.8	328.5	357.9	386.7	422.6	457.4	495.8	536.6	577.7	622.2
240	175.0	188.6	201.6	217.3	236.5	262.8	287.2	309.0	337.4	362.3	391.2	424.2	463.2	503.5
241	181.1	209.1	231.7	253.7	274.2	295.1	311.4	325.5	341.3	358.0	376.7	392.8	410.1	429.2
242	144.9	130.0	116.9	107.4	97.1	90.4	84.6	79.6	76.2	71.8	67.7	65.4	62.7	60.0
243	284.2	267.3	250.9	235.7	216.3	201.0	186.9	172.8	161.0	152.3	141.8	132.9	124.6	117.2
244	485.6	449.5	414.6	384.1	354.1	327.9	303.6	280.8	260.6	243.2	226.3	213.1	202.3	192.2
245	495.5	460.2	424.7	392.2	362.5	334.1	307.4	283.4	262.3	242.9	224.7	210.9	198.4	187.7
246	379.9	381.4	376.8	376.2	374.3	375.2	371.4	368.8	367.5	367.1	363.2	359.9	360.6	358.6
247	323.9	331.8	338.0	343.3	346.0	347.8	349.4	350.8	348.7	345.0	340.0	335.2	323.9	308.0
248	311.1	310.3	305.7	303.1	300.7	297.9	295.0	291.2	284.8	281.5	278.6	273.5	270.3	268.9
249	298.4	297.6	295.9	292.8	291.1	287.2	286.0	281.2	274.6	270.4	266.9	264.4	261.6	257.7
250	257.4	282.5	294.9	300.2	292.6	282.8	272.1	259.2	247.3	235.7	225.7	213.8	198.9	186.7
251	193.6	192.8	187.3	184.9	184.0	185.3	183.7	185.2	184.2	183.6	183.6	185.2	187.1	186.4
252	585.0	623.0	664.4	706.1	752.1	802.9	854.4	901.9	954.2	1002.9	1048.7	1097.3	1144.8	1184.4

Table LXIII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 934	R: 935	R: 936	R: 937	R: 938	R: 939	R: 940	R: 941	R: 942	R: 943	R: 944	R: 945	R: 946	R: 947	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	253.1	275.5	300.1	323.9	346.8	374.4	403.3	431.9	463.8	494.7	525.4	557.4	587.8	617.0	
3	342.7	349.8	355.5	360.7	363.7	366.4	368.5	371.2	370.2	368.8	366.4	361.5	358.2	352.8	
4	346.4	351.4	356.9	361.9	365.9	368.7	371.4	371.6	372.4	371.0	367.7	363.1	361.1	355.4	
5	351.8	353.3	355.0	356.0	355.4	355.5	353.2	353.4	349.9	347.0	343.0	338.7	335.8	329.5	
6	351.6	353.2	354.3	354.7	353.8	353.8	352.1	350.2	346.8	342.7	338.0	334.4	329.8	324.0	
7	361.4	359.7	357.7	355.0	349.5	345.6	341.1	338.0	332.8	328.5	323.2	317.8	314.3	309.7	
8	362.0	360.3	357.9	355.0	351.6	348.3	344.4	339.5	335.6	330.1	325.3	319.8	315.3	310.1	
9	411.5	383.7	357.7	331.4	306.2	282.8	261.2	242.0	223.3	206.3	190.1	174.1	159.9	147.4	
10	202.3	220.7	240.4	262.0	283.0	306.3	331.9	357.0	386.1	414.9	444.6	474.7	502.0	534.0	
11	291.2	293.2	296.1	297.1	297.8	298.8	299.6	299.5	298.4	297.8	295.1	292.1	288.0	283.6	
12	282.0	285.8	288.6	290.4	291.5	292.7	293.0	293.5	293.1	292.3	288.9	285.9	282.0	277.5	
13	292.0	293.5	294.2	293.1	293.1	293.2	293.1	294.3	293.7	293.7	292.7	291.1	288.8	286.3	
14	284.7	286.8	287.4	287.9	288.6	289.1	289.9	289.1	289.3	287.6	286.1	283.7	281.5	278.9	
15	304.1	303.3	300.8	297.2	293.7	290.7	287.9	285.6	281.3	279.3	275.6	272.6	270.1	267.1	
16	292.4	291.6	289.3	286.4	284.5	282.0	279.5	276.6	274.6	272.0	269.4	266.2	265.1	263.1	
17	423.8	396.0	367.0	339.3	311.6	286.8	262.2	240.2	217.2	203.0	182.4	167.5	155.1	141.8	
19	245.0	245.2	243.2	243.2	242.6	243.0	243.1	243.6	244.2	246.3	244.5	245.8	247.3	247.4	
20	241.7	241.4	241.6	240.3	240.5	239.8	240.7	241.6	241.1	243.1	242.5	242.7	243.9	244.9	
21	231.3	230.6	230.3	227.2	227.0	228.6	230.5	233.6	234.6	232.8	230.7	228.8	228.2	230.7	
22	221.5	221.4	221.6	219.2	220.4	224.8	223.9	226.8	228.1	226.7	223.6	221.0	219.8	220.5	
23	202.1	201.1	202.1	200.3	200.1	201.6	200.3	201.2	201.1	201.7	203.7	203.7	202.6	201.0	
24	196.3	196.8	198.0	197.4	197.4	196.6	196.2	194.7	193.0	193.3	195.0	197.0	199.4	199.1	
25	192.8	192.6	191.4	190.1	187.5	185.9	185.8	185.0	184.6	184.5	183.5	183.5	182.3	181.9	
26	183.5	182.0	181.3	181.0	180.8	180.3	179.5	178.2	177.6	176.7	175.9	175.8	174.8	175.9	
43	291.2	298.9	305.1	312.1	316.5	322.8	328.8	333.1	335.3	338.2	340.7	338.7	337.6	335.2	
44	278.8	288.2	295.3	301.0	306.4	313.1	317.6	319.8	322.6	324.5	326.2	327.3	325.0	324.2	
67	178.4	180.0	181.9	181.5	182.2	183.5	184.3	183.9	186.0	187.2	189.4	192.6	190.6	189.6	
68	172.4	175.1	177.0	178.4	180.1	181.1	181.2	181.1	181.4	181.0	183.5	184.5	185.9	185.9	
85	391.7	392.4	394.8	395.6	394.8	394.0	393.2	391.6	387.8	383.9	378.0	371.8	363.3	356.3	
86	395.6	398.4	399.9	401.2	400.5	399.7	399.2	397.2	394.5	389.8	383.6	377.7	372.1	365.0	
87	298.5	317.7	336.6	357.0	375.8	395.4	416.1	436.1	457.4	478.2	497.4	514.6	532.1	549.5	
88	295.9	315.5	335.8	357.1	376.4	396.7	418.7	438.6	461.0	480.5	499.0	518.4	538.1	557.1	
89	141.3	151.7	163.3	177.1	192.7	209.7	228.9	247.9	269.3	292.7	316.2	341.0	366.5	392.4	
90	140.3	151.2	164.8	178.5	193.7	211.3	229.1	248.6	269.3	293.9	315.4	340.5	365.9	394.0	
91	138.5	149.3	162.3	175.9	190.7	207.6	226.6	245.3	267.1	291.6	315.0	341.0	367.0	395.2	
921	445.4	414.7	386.8	359.9	332.8	307.8	285.0	263.7	242.9	224.9	207.0	191.8	176.4	161.5	

Table LXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Orientation ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 934 Pi	R: 935 Pi	R: 936 Pi	R: 937 Pi	R: 938 Pi	R: 939 Pi	R: 940 Pi	R: 941 Pi	R: 942 Pi	R: 943 Pi	R: 944 Pi	R: 945 Pi	R: 946 Pi	R: 947 Pi
922	287.3	310.9	334.9	358.7	384.8	413.1	443.3	472.1	503.4	535.1	568.7	604.1	637.5	668.3
93	196.9	215.1	234.3	255.0	275.7	299.9	325.1	350.4	379.1	407.4	435.4	464.0	493.8	523.3
94	277.8	302.8	325.4	350.5	377.3	405.7	435.2	465.8	499.6	533.6	567.3	600.4	631.5	661.0
95	146.6	159.1	172.5	187.4	203.3	220.6	241.0	261.6	286.4	308.6	332.7	358.1	386.9	416.2
125	213.1	212.6	214.6	214.1	212.8	210.5	206.7	204.6	200.2	196.9	195.4	192.3	191.4	188.0
126	216.7	214.8	216.0	214.6	213.0	211.0	208.9	205.7	202.9	198.7	193.7	190.6	187.5	184.7
128	361.1	317.0	284.8	261.1	241.4	224.1	207.6	192.6	179.5	168.2	158.7	150.9	144.0	137.8
132	129.3	136.0	143.7	151.7	161.8	174.6	188.5	201.9	220.0	239.5	260.4	279.8	304.0	323.3
201	876.6	848.7	822.7	793.5	759.3	726.6	694.4	662.7	629.2	595.4	561.8	530.6	497.1	466.1
202	962.8	948.7	933.3	916.1	893.3	870.5	848.0	823.3	795.2	767.1	738.0	707.4	679.8	650.0
203	989.7	991.3	987.5	981.1	969.6	959.4	946.3	930.0	908.7	887.5	863.6	835.4	809.1	780.9
204	948.1	961.4	973.7	981.3	983.1	987.6	988.2	985.8	979.5	970.1	958.3	938.5	921.2	904.0
205	835.8	860.0	886.6	908.6	924.1	942.1	958.4	970.0	978.3	984.7	987.1	982.5	981.1	976.2
206	699.9	733.9	765.0	795.8	821.8	848.4	874.5	898.1	918.5	936.7	952.9	962.0	973.3	978.7
207	591.2	625.9	658.2	689.4	718.6	749.3	779.4	807.2	835.2	860.2	883.9	903.2	922.7	938.0
208	530.6	559.8	587.9	616.3	643.9	673.4	705.0	734.1	765.6	794.3	821.1	845.0	868.8	889.1
209	755.3	760.7	764.8	765.0	762.8	760.7	758.2	753.6	744.2	734.0	720.4	704.8	690.7	672.0
210	844.1	854.2	860.6	864.6	864.5	865.1	862.7	860.3	852.7	841.7	830.0	813.8	797.1	781.4
211	918.2	930.4	941.7	948.4	950.5	953.8	954.5	950.7	944.1	935.1	924.3	904.3	888.7	872.2
212	921.5	934.6	946.0	950.9	954.4	957.6	958.2	955.4	948.7	940.1	928.2	909.2	893.5	876.0
213	852.1	861.4	870.2	872.6	873.9	875.0	874.5	869.6	862.5	852.5	842.0	826.2	809.9	794.1
214	751.0	756.9	761.4	762.0	761.0	759.5	757.7	751.5	744.1	734.2	723.0	709.7	696.8	681.5
215	430.0	402.3	375.7	350.1	323.7	299.6	276.9	257.0	237.0	219.5	202.6	186.6	172.0	157.8
216	377.1	383.2	389.8	394.8	396.7	399.6	401.8	403.8	402.5	401.0	399.6	396.3	392.9	387.1
217	380.4	386.6	392.6	396.3	399.9	402.3	404.4	404.9	405.2	402.7	400.6	397.2	394.4	390.8
218	285.2	309.7	332.6	357.5	383.8	411.7	440.7	470.3	502.1	533.9	567.0	600.2	633.4	661.5
219	220.2	223.7	226.3	228.8	229.0	231.7	231.9	231.4	231.3	232.6	231.9	233.7	232.6	233.9
220	213.5	216.2	217.9	220.6	221.9	223.9	225.2	225.1	224.1	224.0	222.8	222.7	223.4	223.5
221	181.5	182.3	184.4	185.3	184.4	185.4	185.6	186.2	186.3	186.0	184.5	183.3	184.7	186.5
222	171.3	173.0	174.0	174.9	176.5	177.2	177.9	177.7	177.9	178.2	177.8	177.0	177.8	181.0
223	171.6	174.3	176.8	179.1	180.6	181.6	181.6	181.9	181.0	180.7	181.3	181.3	183.5	182.6
224	164.3	166.4	168.0	169.2	171.2	173.2	174.6	175.3	174.7	174.3	174.4	176.1	178.1	178.6
225	340.6	317.1	293.8	270.9	249.7	230.7	212.9	196.6	181.5	168.6	156.6	145.7	137.2	129.8
226	585.3	555.7	525.3	496.3	466.2	438.7	412.8	385.2	356.6	330.7	304.0	284.2	263.3	242.6
227	662.2	630.7	598.5	563.7	526.4	493.6	463.2	433.2	403.0	373.9	345.0	322.0	297.9	277.6
228	755.7	722.8	688.7	651.8	613.5	576.6	539.7	498.5	459.4	426.4	393.9	366.3	342.9	320.9

Table LXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 934	R: 935	R: 936	R: 937	R: 938	R: 939	R: 940	R: 941	R: 942	R: 943	R: 944	R: 945	R: 946	R: 947	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	374.4	399.7	430.1	460.6	491.0	522.3	554.2	584.5	617.8	650.3	681.7	712.6	741.7	769.5	
230	156.1	169.7	185.0	201.4	218.8	238.4	259.9	281.4	306.3	330.7	355.5	382.7	410.2	437.9	
231	529.3	528.2	527.3	524.8	520.3	517.0	513.6	508.3	500.9	493.5	484.2	475.8	466.1	453.5	
232	679.9	683.0	684.1	682.7	678.5	674.5	669.3	663.5	654.5	643.2	630.1	616.9	601.5	584.8	
233	662.8	664.6	665.1	662.3	660.2	655.7	650.0	643.1	637.3	626.4	616.7	605.6	593.2	580.3	
234	521.4	521.0	518.9	515.5	511.5	506.4	503.7	497.7	490.6	484.5	475.8	468.7	458.4	447.8	
235	205.6	216.9	224.8	232.8	239.0	245.4	250.2	254.7	257.5	261.1	261.6	263.7	263.2	261.5	
236	178.7	194.3	208.4	223.6	236.4	250.4	263.0	275.7	289.8	301.9	313.6	329.0	338.4	351.5	
237	153.1	166.8	181.7	196.4	214.8	233.0	250.9	270.4	292.4	314.4	336.4	360.8	386.2	412.6	
238	148.1	162.7	177.1	192.7	209.0	227.1	246.0	266.7	289.8	312.8	337.2	362.9	390.1	419.4	
239	145.3	157.9	172.0	187.0	203.0	221.3	240.8	260.5	284.2	307.8	332.8	359.4	386.6	415.4	
240	119.9	129.5	141.5	154.4	165.5	177.7	193.1	210.7	229.6	250.0	269.5	292.6	313.4	336.2	
241	125.1	140.8	157.7	172.0	185.1	196.0	207.0	217.5	228.9	238.6	248.4	260.4	273.0	287.7	
242	99.3	88.8	80.2	73.3	66.9	61.3	57.5	54.3	51.6	49.3	47.7	46.3	44.9	43.2	
243	191.1	179.8	169.3	158.8	146.5	135.9	126.1	117.5	109.7	102.5	95.9	90.1	84.7	79.7	
244	326.1	302.7	279.4	258.1	238.4	220.6	204.3	189.9	176.1	163.8	153.3	144.5	137.1	131.0	
245	333.5	309.8	286.5	264.2	243.5	224.2	207.2	191.6	176.9	164.6	153.3	143.6	135.0	127.8	
246	259.6	257.3	254.5	253.7	252.3	252.1	249.4	249.4	247.0	245.6	243.7	243.9	243.9	242.4	
247	217.4	222.8	227.0	230.3	231.6	233.5	234.2	235.4	234.9	233.4	229.3	224.0	218.4	207.8	
248	208.6	207.6	206.8	204.1	201.6	199.5	197.7	195.2	192.0	188.6	186.1	183.2	181.4	181.4	
249	201.2	200.7	199.9	198.1	196.1	193.8	192.3	189.6	185.6	183.0	180.2	178.5	177.6	175.2	
250	173.0	189.4	198.4	200.3	195.6	189.3	177.5	173.4	166.1	159.1	151.6	143.9	134.8	127.8	
251	130.4	130.1	127.2	124.6	123.6	123.9	124.7	124.3	124.0	124.2	123.7	124.4	125.3	126.4	
252	398.2	423.0	451.7	480.5	509.7	542.4	577.1	610.7	644.1	676.7	708.7	737.8	769.3	795.5	

Table LXIV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 949	R: 950	R: 951	R: 952	R: 953	R: 954	R: 955	R: 956	R: 957	R: 958	R: 959	R: 960	R: 961	R: 962	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	251.8	272.6	296.4	321.6	347.0	374.0	401.9	430.3	458.5	488.2	518.7	549.9	581.3	610.3	
3	318.6	322.4	329.1	334.1	337.6	340.4	342.1	343.1	343.2	340.2	337.3	334.3	330.3	325.8	
4	369.0	374.1	381.7	386.4	390.1	394.1	396.8	397.9	397.6	397.4	395.3	392.5	388.8	384.9	
5	325.5	325.7	327.5	329.2	330.1	330.0	328.7	326.0	325.7	321.0	316.4	314.4	309.4	304.1	
6	375.6	377.3	378.7	378.5	378.8	378.9	376.7	374.7	371.1	369.2	364.9	360.1	355.5	350.5	
7	332.7	331.2	329.9	326.9	324.7	321.7	317.3	314.9	309.5	304.7	298.7	296.2	291.2	287.7	
8	386.4	386.1	382.2	378.8	375.3	372.7	367.5	363.3	358.1	353.4	349.0	343.5	340.1	336.2	
9	407.0	380.0	353.6	327.6	302.8	281.8	260.3	241.2	222.6	205.2	189.7	174.6	160.2	148.0	
10	200.2	218.4	238.8	259.0	282.4	304.9	329.8	355.1	379.9	407.2	437.4	466.4	497.7	529.8	
11	268.6	269.3	272.6	273.7	276.0	276.3	276.6	276.1	275.9	273.7	272.1	268.9	264.7	259.3	
12	307.3	309.8	311.0	312.5	313.6	314.9	315.3	315.6	316.6	317.7	316.7	315.6	311.4	307.0	
13	269.3	268.5	269.6	271.1	271.4	271.1	272.4	272.1	272.0	270.6	270.5	269.5	267.4	264.0	
14	311.1	310.4	309.8	311.0	311.0	312.1	311.3	312.5	312.6	312.9	313.4	311.6	308.9	305.7	
15	280.1	278.0	277.3	275.6	272.9	270.0	267.4	264.5	260.6	257.5	255.8	253.9	251.1	247.0	
16	318.6	315.3	312.0	309.1	306.2	303.8	302.4	299.6	298.3	296.1	295.5	293.7	291.3	288.1	
17	420.7	389.6	362.3	335.1	310.3	284.0	260.3	236.6	217.7	209.3	190.6	173.2	159.2	147.4	
19	230.2	229.1	227.2	226.8	226.9	227.2	226.2	225.9	226.6	228.7	230.0	230.8	232.3	231.0	
20	262.2	262.3	261.4	261.7	262.0	261.6	261.6	261.7	260.8	261.7	262.4	262.7	263.8	264.0	
21	213.0	213.5	214.6	213.3	214.3	215.7	219.8	221.2	220.4	216.5	211.8	208.8	208.9	210.6	
22	239.7	240.0	240.4	237.3	238.6	240.7	242.7	246.7	245.9	246.7	245.6	244.4	243.1	242.1	
23	182.6	183.4	184.2	184.3	185.2	184.9	184.2	183.7	182.7	182.3	184.0	185.1	183.6	181.9	
24	211.6	212.7	214.5	214.4	214.8	214.8	213.7	212.9	211.3	210.0	211.1	212.9	214.7	216.0	
25	173.9	174.4	174.8	173.7	172.8	172.2	170.9	170.3	169.0	167.8	167.3	166.0	165.6	165.2	
26	197.6	197.4	196.2	195.5	193.8	193.5	192.6	191.7	190.7	191.0	191.2	192.0	192.5	193.2	
43	270.4	276.0	283.6	288.8	295.6	300.8	304.8	308.2	310.7	312.5	312.9	312.6	312.1	309.3	
44	298.7	307.3	315.0	322.2	329.2	334.9	339.5	343.8	346.1	349.7	351.1	355.5	355.7	356.5	
67	161.9	164.4	166.0	166.2	168.3	169.0	168.7	169.1	169.6	169.6	170.2	172.3	172.0	169.5	
68	185.2	186.5	188.7	190.8	193.5	194.0	195.0	196.1	195.9	197.0	199.1	201.7	204.1	205.0	
85	360.1	362.4	365.1	364.7	365.3	364.6	364.1	362.1	359.7	355.1	350.1	342.1	336.8	329.6	
86	421.0	424.0	424.5	427.1	427.5	426.9	426.1	423.6	420.1	417.5	412.2	405.7	399.2	391.2	
87	282.2	299.3	317.7	337.3	356.3	375.4	395.0	412.8	431.9	450.1	469.5	487.0	504.7	520.1	
88	307.7	327.1	348.4	370.1	391.9	413.1	434.9	455.5	476.3	496.7	517.9	537.4	558.3	576.4	
89	140.8	151.5	163.8	177.6	192.2	208.6	225.8	244.7	264.0	286.1	309.6	334.7	361.8	389.7	
90	140.2	152.2	165.4	179.4	194.7	212.0	230.6	250.1	270.8	293.9	318.4	341.8	367.4	394.3	
91	139.8	150.7	163.8	176.4	192.1	207.9	225.8	246.2	265.9	288.8	314.1	339.0	366.9	393.7	
921	441.1	412.3	383.6	357.7	330.8	307.1	284.2	262.5	243.0	224.8	207.3	190.4	175.8	161.6	

Table LXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 949 Pi	R: 950 Pi	R: 951 Pi	R: 952 Pi	R: 953 Pi	R: 954 Pi	R: 955 Pi	R: 956 Pi	R: 957 Pi	R: 958 Pi	R: 959 Pi	R: 960 Pi	R: 961 Pi	R: 962 Pi
922	286.1	308.4	334.4	360.4	387.2	415.6	441.4	471.0	498.6	530.5	565.1	598.1	631.3	665.3
93	195.1	212.8	231.9	252.4	274.2	297.6	321.5	347.1	372.0	399.4	428.4	458.6	488.6	518.3
94	278.3	302.0	326.9	353.0	381.1	409.1	438.4	467.9	498.0	531.3	565.2	597.3	629.1	658.7
95	146.9	159.3	172.8	187.5	203.3	221.1	239.7	260.3	281.2	305.8	330.2	358.9	386.5	415.4
125	196.6	196.9	197.2	197.1	195.6	194.8	192.6	190.1	186.7	184.4	180.1	177.4	173.9	168.7
126	234.6	235.8	234.8	233.9	232.1	229.4	225.6	222.7	219.1	215.5	211.0	207.0	204.7	200.5
128	350.4	313.1	286.9	264.5	245.2	226.1	210.3	197.9	187.8	173.7	164.2	157.5	149.6	140.6
132	128.3	134.5	142.2	151.3	161.3	173.9	188.5	203.7	218.2	237.1	257.2	277.3	298.2	322.8
201	870.3	843.8	818.5	787.8	757.8	727.0	694.9	663.0	631.5	598.8	565.8	531.4	495.6	466.0
202	957.4	942.7	926.5	910.5	891.2	868.7	846.5	821.6	797.6	768.9	740.9	710.0	678.8	648.4
203	983.9	983.9	979.5	974.6	966.6	957.0	944.0	927.6	911.3	887.8	863.9	837.7	809.0	780.0
204	941.6	953.8	966.3	974.4	980.5	984.1	984.7	981.1	977.4	968.2	956.4	942.3	922.7	899.9
205	833.2	857.3	881.5	902.1	921.6	939.1	953.5	964.6	975.2	980.2	984.2	983.9	981.4	971.1
206	698.1	729.9	760.8	790.5	817.8	844.3	869.0	891.3	913.0	930.8	947.9	959.9	971.3	974.8
207	591.9	623.0	655.6	686.5	716.8	747.1	775.2	803.1	828.6	853.9	877.8	900.6	919.6	934.0
208	529.5	556.7	585.9	615.1	643.9	673.0	702.1	730.3	759.0	786.2	814.7	839.7	864.7	884.7
209	713.6	718.6	725.0	725.4	725.8	723.4	720.5	714.0	706.7	696.8	685.1	672.7	657.8	643.0
210	810.0	817.9	827.1	831.8	834.6	833.9	831.7	828.1	822.3	811.8	800.1	788.3	771.8	754.2
211	897.1	907.3	919.3	926.5	930.8	933.7	933.1	930.1	926.8	917.3	905.7	892.2	875.0	854.6
212	931.9	944.0	954.5	961.5	967.3	971.2	972.3	968.7	964.6	954.1	941.6	925.4	905.3	884.6
213	875.3	884.4	892.2	897.6	900.2	902.1	899.9	896.6	890.4	880.1	867.1	851.8	831.6	813.8
214	783.9	789.7	795.0	797.2	798.8	795.6	792.2	785.2	777.8	768.9	756.8	742.1	725.4	708.0
215	425.6	397.8	372.4	345.4	320.9	298.2	275.3	255.0	236.1	218.9	202.5	185.7	171.1	157.6
216	347.4	354.8	359.5	363.5	368.6	372.1	372.9	374.5	373.0	373.0	369.9	366.9	364.8	361.4
217	404.9	412.3	417.6	422.4	426.1	430.6	431.1	432.0	431.2	429.6	428.8	426.2	423.0	418.4
218	281.7	304.5	328.4	354.1	383.7	409.9	437.3	465.9	493.9	525.7	558.9	590.3	621.4	653.8
219	205.1	208.3	211.7	214.7	218.0	218.7	218.9	218.9	218.3	216.0	213.6	211.9	210.8	212.1
220	231.7	233.9	235.4	238.0	239.8	242.2	242.9	244.0	244.8	243.1	243.9	244.8	247.4	247.1
221	163.2	164.6	167.2	168.5	170.0	170.7	170.5	170.9	170.8	169.3	167.9	166.6	166.8	168.9
222	188.4	188.3	188.6	189.7	190.8	191.8	192.0	192.5	193.5	194.4	196.0	196.3	195.8	197.2
223	155.7	158.2	160.8	162.6	163.9	165.2	166.0	165.9	165.5	163.9	163.5	164.8	163.0	163.4
224	179.2	181.0	183.4	184.9	186.0	189.1	190.5	191.1	191.8	191.4	192.1	194.5	195.9	197.3
225	340.6	315.6	292.8	269.7	249.8	231.4	213.3	197.4	183.6	170.0	158.7	148.8	139.8	131.2
226	582.4	553.1	523.6	494.1	467.0	440.2	412.2	385.9	359.6	333.3	307.7	284.8	262.3	242.0
227	659.0	627.0	594.9	562.0	528.0	493.6	462.3	433.8	406.9	379.5	352.2	326.7	300.8	279.1
228	752.6	718.4	685.4	650.4	614.5	577.8	538.6	498.8	464.0	430.7	400.2	372.3	345.1	322.7

Table LXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 949 Pi	R: 950 Pi	R: 951 Pi	R: 952 Pi	R: 953 Pi	R: 954 Pi	R: 955 Pi	R: 956 Pi	R: 957 Pi	R: 958 Pi	R: 959 Pi	R: 960 Pi	R: 961 Pi	R: 962 Pi
229	371.5	400.4	431.3	461.9	490.6	521.3	550.7	582.1	612.6	644.4	675.6	706.3	737.3	766.6
230	155.0	170.3	185.6	200.7	219.8	238.3	258.3	280.8	302.2	326.4	352.1	378.6	408.1	436.3
231	489.2	488.5	487.3	486.2	482.4	480.6	475.3	473.5	466.9	460.8	452.8	444.3	435.0	425.7
232	639.6	641.2	644.1	642.7	640.4	636.9	631.4	625.3	617.5	607.9	594.4	583.2	569.3	556.6
233	694.7	697.4	698.3	699.3	696.2	692.1	686.8	679.6	671.7	661.1	649.7	636.1	621.6	608.2
234	551.9	551.7	551.0	548.3	545.6	541.4	535.1	530.0	522.3	515.7	507.1	498.0	486.0	475.8
235	196.7	207.5	214.8	221.4	229.4	233.8	236.1	238.6	241.4	244.2	244.2	244.2	240.7	236.0
236	175.7	189.6	203.5	216.2	228.0	238.6	250.7	262.5	273.7	284.1	297.5	311.5	321.7	332.1
237	153.6	166.3	180.6	195.2	211.1	227.1	244.9	264.5	283.7	304.8	328.6	350.2	377.4	404.8
238	149.5	162.5	176.0	190.6	206.7	225.0	243.5	263.3	284.5	306.8	329.6	356.8	384.2	412.9
239	145.4	157.7	170.8	185.6	201.6	220.2	238.2	259.2	280.3	303.7	329.2	355.2	383.2	413.2
240	121.6	129.6	138.7	148.2	160.9	178.6	193.0	208.1	221.7	238.2	257.4	278.6	302.0	325.4
241	124.2	138.6	152.7	164.5	174.1	184.4	194.2	202.2	210.8	219.8	228.8	240.8	250.4	262.9
242	90.3	81.1	73.6	67.6	62.3	57.4	53.6	51.4	48.8	47.0	45.3	44.7	43.8	42.5
243	189.6	179.0	167.8	158.2	147.3	137.6	127.9	119.1	111.1	102.6	96.3	90.0	84.6	78.6
244	325.0	300.8	280.5	258.8	239.4	222.2	204.9	190.8	177.9	166.5	155.7	146.5	138.8	132.1
245	332.7	308.0	285.0	262.1	242.7	224.2	207.1	192.2	178.7	165.8	154.6	144.1	136.6	129.2
246	242.4	239.3	235.9	234.8	234.7	234.3	232.9	230.6	230.8	227.9	225.3	226.6	229.3	227.6
247	202.9	208.5	214.5	217.8	220.1	219.6	220.7	221.4	221.0	217.1	211.9	204.0	192.6	180.9
248	188.7	187.8	187.5	186.0	185.4	183.8	181.0	179.0	175.6	172.8	168.8	167.0	164.9	164.0
249	216.8	216.3	214.4	212.6	210.4	208.2	205.0	203.2	198.3	195.5	193.2	191.7	190.3	189.8
250	136.6	158.6	174.8	182.1	184.0	178.9	171.3	161.3	156.3	148.4	139.9	131.9	123.6	116.4
251	119.3	119.9	118.9	116.3	114.8	114.5	114.3	114.5	113.4	112.9	112.0	113.2	113.4	114.6
252	395.0	422.2	452.0	482.1	510.6	543.6	574.8	607.6	639.0	670.7	702.2	733.2	763.7	791.6

Table LXV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 964	R 965	R 966	R 967	R 968	R 969	R 970	R 971	R 972	R 973	R 974	R 975	R 976	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	401.1	401.9	402.6	404.7	404.5	402.8	402.3	403.1	403.4	401.0	398.7	399.5	400.0	
3	456.3	426.7	413.1	398.0	384.1	374.9	368.6	360.1	354.3	342.4	328.7	317.7	296.6	
4	293.9	315.8	333.2	343.5	356.8	362.7	371.3	378.7	381.7	395.4	410.7	427.4	456.5	
5	442.0	411.9	398.2	382.5	369.0	360.6	354.2	345.3	339.8	328.1	314.8	303.7	284.0	
6	279.6	300.3	315.1	326.4	338.8	344.1	352.1	359.4	363.7	375.8	390.6	405.9	436.6	
7	428.9	397.9	384.4	368.4	355.6	348.0	340.6	333.5	327.4	316.8	303.7	294.2	273.6	
8	273.2	293.4	308.6	318.1	330.6	336.9	344.1	351.8	356.6	367.4	381.7	396.7	426.7	
9	261.3	262.1	263.8	262.5	261.8	262.9	259.9	260.9	259.6	259.7	259.6	261.2	260.9	
10	328.7	329.4	329.2	330.6	331.2	331.1	330.9	330.3	330.8	329.6	328.3	328.2	329.5	
11	382.1	355.4	341.8	326.1	311.8	305.0	298.5	293.9	287.7	276.8	266.4	260.4	237.6	
12	231.0	250.1	258.4	271.3	282.7	286.9	292.8	299.3	307.0	314.7	328.0	342.7	371.8	
13	374.2	347.5	333.5	320.3	305.2	299.0	292.5	288.0	282.5	271.4	262.8	256.1	234.1	
14	228.6	246.4	256.2	269.6	278.9	284.1	289.3	295.6	303.0	310.6	323.9	338.3	366.2	
15	369.2	342.4	327.5	314.1	300.3	294.6	286.4	283.4	278.6	267.4	257.4	251.8	231.2	
16	221.7	239.6	247.4	259.8	269.9	273.3	279.6	285.8	291.9	301.0	313.1	325.8	354.4	
17	263.6	261.2	260.2	259.9	261.4	262.0	262.2	260.5	260.8	258.7	257.1	258.0	260.7	
19	314.2	286.2	275.0	262.3	252.0	247.1	242.3	239.2	235.1	226.3	221.9	210.1	193.5	
20	188.9	204.5	214.0	221.2	232.1	236.0	240.4	244.6	248.6	260.2	272.8	281.2	306.8	
21	291.7	266.7	254.1	245.3	237.0	232.6	231.2	225.3	224.7	219.6	209.2	199.0	181.8	
22	178.8	191.6	201.4	209.2	216.3	219.6	223.6	230.8	234.6	242.5	253.2	264.5	283.1	
23	249.0	226.8	219.5	211.5	203.9	201.4	199.3	198.5	191.6	184.1	175.7	169.8	154.5	
24	156.6	166.9	174.4	183.3	189.8	193.8	196.1	200.1	202.6	213.0	220.4	228.7	252.1	
25	230.6	212.4	206.6	199.4	195.4	190.3	184.3	182.9	179.2	170.4	163.8	155.7	144.6	
26	143.1	153.2	158.5	165.1	171.8	176.7	179.6	182.8	185.9	192.1	200.0	210.4	225.7	
43	410.2	384.4	370.6	355.3	342.7	335.9	326.7	323.1	316.2	305.0	293.9	284.3	263.8	
44	250.8	269.8	281.3	294.2	303.5	311.6	316.6	323.2	330.6	339.2	354.0	367.5	394.1	
67	230.2	211.1	204.6	197.8	195.6	188.6	182.3	181.4	177.3	169.1	162.6	153.9	142.1	
68	144.5	155.3	160.3	167.4	175.1	177.5	181.1	186.2	189.2	194.5	203.8	212.8	231.4	
85	485.3	454.9	439.2	423.2	407.1	399.7	392.8	384.7	375.8	364.0	350.3	339.3	316.5	
86	318.1	341.0	356.2	367.6	382.6	389.3	397.9	404.1	408.5	424.7	441.9	459.7	486.3	
87	470.2	453.3	445.0	435.8	424.3	420.6	416.3	411.7	403.7	393.8	385.3	377.2	361.8	
88	360.2	377.6	390.0	398.9	408.4	412.7	418.9	422.3	423.9	433.2	443.3	453.8	469.2	
89	241.3	233.4	233.5	230.8	228.4	227.9	227.1	226.9	226.2	225.5	228.3	222.6	218.5	
90	216.8	221.6	223.8	224.1	227.3	228.0	228.8	228.4	229.1	230.6	232.3	233.0	238.6	
91	227.6	226.2	226.0	226.9	225.8	225.6	225.2	224.7	225.7	225.9	225.9	229.3	229.5	
921	284.7	286.6	287.6	287.9	286.0	284.9	284.1	284.3	284.0	283.4	283.4	284.3	284.8	

Table LXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 964	R: 965	R: 966	R: 967	R: 968	R: 969	R: 970	R: 971	R: 972	R: 973	R: 974	R: 975	R: 976	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	436.3	440.8	442.5	441.8	442.3	442.1	441.2	441.3	441.3	442.2	439.2	439.1	440.8	
93	320.5	321.7	322.0	323.4	324.6	323.9	323.9	323.4	322.5	321.9	321.2	322.2	322.5	
94	423.1	428.3	431.1	432.9	435.2	434.4	434.9	435.0	436.1	437.6	436.6	436.5	440.9	
95	237.9	239.6	239.8	239.7	239.3	240.6	239.6	240.1	240.1	239.9	241.4	243.2	245.2	
125	262.8	238.2	229.5	220.1	214.0	209.4	206.0	204.7	202.6	192.9	186.7	178.1	163.1	
126	167.7	179.9	187.7	194.5	203.1	206.1	208.5	212.6	217.2	225.4	232.9	244.0	262.3	
128	207.0	206.9	207.3	207.3	207.5	207.3	206.9	207.3	208.2	209.5	210.7	207.9	211.5	
132	186.4	186.3	186.9	188.0	187.5	187.4	187.3	188.4	188.8	188.9	188.5	187.2	186.6	
201	686.7	694.5	696.9	695.5	693.2	693.0	694.6	693.7	693.8	694.0	687.5	686.0	681.4	
202	834.7	843.9	846.2	846.5	844.4	845.7	847.2	847.7	846.9	846.4	839.7	836.3	830.8	
203	930.4	938.4	942.2	943.0	940.8	944.4	944.9	945.5	946.0	943.2	937.2	933.8	929.5	
204	972.4	981.3	985.2	985.3	985.5	986.8	987.8	985.5	987.7	985.0	977.8	974.4	972.5	
205	942.2	950.6	955.0	955.1	955.8	958.5	958.3	956.4	959.7	954.5	946.4	944.4	943.1	
206	860.2	868.9	871.3	872.3	872.7	874.7	875.0	873.8	874.5	869.3	863.1	861.6	858.8	
207	765.0	772.8	776.4	777.7	777.6	779.4	779.7	779.4	779.5	774.5	770.1	768.8	767.9	
208	692.2	699.6	702.4	704.1	703.9	705.5	705.2	704.3	704.8	701.9	697.9	695.7	695.0	
209	837.4	815.9	801.8	784.3	772.4	764.2	757.0	749.6	742.6	720.3	702.0	687.7	659.8	
210	922.8	907.1	898.9	883.1	875.3	869.7	863.4	856.7	852.2	831.7	815.7	803.7	779.2	
211	978.1	972.9	971.8	961.1	956.6	957.2	953.5	947.8	947.0	933.1	920.3	913.5	898.9	
212	904.0	923.3	933.7	944.7	949.1	952.1	957.1	961.4	963.6	970.3	969.8	971.4	979.6	
213	792.6	818.6	835.3	851.4	859.9	865.5	873.2	880.1	883.7	899.4	903.8	910.3	931.5	
214	658.5	690.7	709.2	727.7	739.7	749.3	756.3	764.7	772.5	791.3	802.0	814.3	844.2	
215	280.4	281.9	282.3	280.7	279.1	277.8	277.0	276.2	275.6	274.6	275.1	274.9	274.1	
216	491.6	462.4	447.4	431.1	416.4	409.6	400.9	393.1	384.1	372.5	358.6	347.7	323.1	
217	322.1	344.7	361.7	373.8	387.9	395.7	404.6	409.6	414.1	430.6	447.7	465.8	492.3	
218	445.9	445.0	445.7	444.5	443.3	441.6	441.4	440.8	439.4	437.3	432.9	430.8	428.8	
219	296.9	269.6	257.8	248.1	238.8	234.4	230.5	226.5	223.2	219.1	207.2	198.2	179.5	
220	177.0	190.7	200.5	208.9	215.9	220.1	224.4	231.3	233.7	242.5	252.3	265.0	285.0	
221	230.0	213.6	206.5	203.4	191.1	188.9	185.8	182.3	176.6	171.0	161.0	156.7	144.0	
222	144.1	153.8	158.3	163.6	170.1	173.5	177.6	180.9	184.3	192.0	197.8	207.8	225.2	
223	227.1	210.3	205.6	196.2	189.3	184.5	180.7	175.7	172.2	165.8	157.3	152.1	141.1	
224	141.0	149.7	156.7	160.1	167.3	170.9	174.6	177.6	179.9	190.4	194.8	202.9	222.2	
225	211.6	212.4	212.0	212.5	211.5	211.3	213.1	213.1	213.0	213.0	213.7	212.5	211.4	
226	405.1	410.9	413.0	413.8	412.2	412.3	410.9	411.6	411.0	412.8	411.5	411.0	409.1	
227	457.0	462.0	463.8	464.2	463.4	461.6	461.7	461.5	459.9	462.6	461.7	460.4	461.6	
228	530.9	537.0	539.7	540.4	537.6	537.3	537.8	536.5	535.9	537.8	535.8	534.7	534.4	

Table LXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 964	R: 965	R: 966	R: 967	R: 968	R: 969	R: 970	R: 971	R: 972	R: 973	R: 974	R: 975	R: 976	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	545.7	552.2	553.2	553.6	553.5	553.8	553.3	553.7	554.4	552.3	550.4	550.4	550.3	
230	259.9	259.2	261.0	259.9	258.9	258.3	258.1	258.2	258.2	258.7	258.8	260.3	260.4	
231	609.6	579.4	561.0	544.3	527.1	517.5	511.7	502.3	493.5	476.8	461.4	447.0	426.0	
232	755.8	730.4	715.3	698.4	684.7	675.9	667.8	661.7	652.4	631.8	614.4	600.2	573.8	
233	554.3	587.3	604.6	621.4	637.2	643.7	651.0	659.9	666.3	685.0	701.7	714.8	744.8	
234	412.9	441.3	455.7	471.0	489.1	496.8	502.9	508.2	517.1	534.4	552.6	569.1	599.5	
235	319.0	292.9	279.5	268.8	259.5	255.3	249.8	246.1	241.9	236.1	224.9	216.3	195.3	
236	315.0	294.8	284.7	275.5	270.9	266.7	262.3	260.8	256.0	249.9	244.6	235.2	217.3	
237	270.4	261.2	259.6	256.7	253.2	250.7	250.9	247.7	247.4	244.6	243.7	239.1	230.3	
238	259.5	253.6	251.0	249.2	247.1	247.0	245.3	245.4	243.9	243.6	241.5	243.6	235.1	
239	242.6	242.6	241.5	240.5	240.9	240.3	239.4	239.6	239.4	238.1	239.8	240.2	239.2	
240	185.5	183.2	183.1	192.1	192.3	192.6	193.3	193.4	194.6	193.2	189.9	186.8	181.8	
241	234.2	223.6	220.3	218.9	212.1	209.0	206.0	203.2	199.7	193.6	186.4	181.3	166.3	
242	53.2	52.4	52.4	53.5	56.1	56.6	57.4	57.1	56.4	53.8	52.0	51.9	51.5	
243	127.7	125.3	125.6	126.0	125.0	124.7	125.2	125.7	126.6	127.7	126.8	127.2	129.8	
244	201.7	204.3	203.7	204.2	203.1	203.4	204.1	204.2	203.9	204.9	204.3	205.1	204.8	
245	205.8	205.9	207.5	207.4	207.7	206.6	206.9	207.5	207.6	206.7	206.0	207.6	206.3	
246	321.8	296.2	283.9	270.8	258.3	254.2	249.5	244.0	240.6	232.9	226.8	216.2	197.9	
247	302.6	273.7	260.0	249.9	242.1	236.4	233.4	228.1	225.8	220.5	205.7	199.4	180.0	
248	243.1	222.0	214.4	208.0	200.4	199.5	197.1	192.0	186.9	180.8	172.8	165.1	152.4	
249	157.0	164.2	171.9	177.5	185.0	188.3	192.1	194.2	197.9	204.5	213.0	219.7	241.2	
250	216.2	202.0	197.9	189.7	185.2	180.3	177.1	174.8	175.8	171.7	168.1	165.5	161.5	
251	159.4	147.4	142.3	136.1	129.3	127.2	123.8	121.2	118.0	114.8	108.9	105.6	98.9	
252	566.7	573.7	574.8	577.1	576.4	576.3	575.9	576.0	577.0	575.6	572.7	572.1	570.5	

Table LXVI: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1058 Pi	R: 1059 Pi
2	461.2	460.7
3	369.0	337.9
4	371.0	402.1
5	348.7	319.4
6	347.1	375.0
7	333.1	303.9
8	335.1	362.4
9	223.1	220.8
10	385.0	383.5
11	298.6	271.4
12	293.2	318.6
13	292.7	267.0
14	289.2	314.0
15	280.2	257.4
16	274.9	297.8
17	220.8	215.7
19	243.3	224.5
20	241.7	264.8
21	234.0	216.0
22	227.3	248.7
23	199.9	182.0
24	193.8	212.7
25	183.6	170.1
26	177.7	193.6
43	334.2	307.6
44	322.5	349.1
67	185.5	169.6
68	181.9	198.9
85	387.5	354.8
86	393.9	424.7
87	456.3	429.2
88	458.6	480.3
89	268.5	266.0
90	269.7	273.7
91	267.8	268.0
921	241.8	241.5

Table LXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0° R: 1058 Pi	2.0° R: 1059 Pi
922	501.0	502.2
93	376.9	374.3
94	496.3	502.1
95	283.7	285.2
125	198.2	186.7
126	202.7	220.6
128	178.9	183.6
132	219.4	221.3
201	628.7	626.4
202	795.0	792.4
203	909.9	905.9
204	978.6	974.3
205	978.0	973.6
206	918.4	912.6
207	835.3	829.9
208	765.4	759.8
209	742.4	700.9
210	851.1	817.6
211	942.8	922.3
212	949.1	962.2
213	861.9	891.2
214	742.9	781.8
215	237.7	234.7
216	403.3	369.6
217	404.9	435.3
218	500.3	496.0
219	228.4	212.1
220	224.4	245.1
221	186.2	168.3
222	178.6	195.6
223	182.0	163.1
224	175.4	195.4
225	182.2	182.1
226	357.1	355.4
227	403.1	403.1
228	459.5	460.4

Table LXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.30$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	0.0°	2.0°
	R: 1058 Pi	R: 1059 Pi
229	617.7	614.6
230	305.0	305.4
231	498.4	463.5
232	651.7	611.6
233	636.0	675.0
234	491.5	525.8
235	256.2	239.0
236	289.0	271.6
237	291.5	284.2
238	289.3	286.5
239	283.7	282.5
240	230.5	223.2
241	229.1	210.0
242	52.5	49.1
243	109.8	109.8
244	175.7	176.2
245	176.9	176.3
246	246.0	226.4
247	233.5	218.4
248	191.1	173.3
249	187.3	201.9
250	166.6	154.7
251	124.5	113.2
252	642.6	640.1

Table LXVII: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 674	R: 675	R: 676	R: 677	R: 678	R: 679	R: 680	R: 681	R: 682	R: 683	R: 684	R: 685	R: 686	R: 687
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	344.1	375.3	409.3	442.7	482.6	524.7	565.8	609.7	653.6	703.6	750.8	795.8	841.3	889.4
3	470.8	480.5	489.3	495.1	499.0	503.4	509.7	509.6	510.4	510.4	505.3	498.3	494.1	492.1
4	485.4	494.3	501.6	507.3	515.2	522.4	530.7	525.2	526.2	525.8	523.1	521.1	517.0	512.6
5	483.7	491.7	492.0	489.2	487.6	486.7	486.1	484.8	480.8	476.4	471.2	465.6	460.6	453.1
6	495.5	495.3	498.4	498.2	498.8	495.6	498.8	493.8	486.9	484.0	479.8	474.5	470.3	463.8
7	496.5	494.3	491.5	481.5	476.4	471.9	465.8	461.8	454.8	447.8	440.9	435.8	430.7	423.2
8	510.6	506.1	501.8	495.9	488.7	486.4	482.1	470.2	464.7	463.5	457.8	453.9	449.0	441.0
9	576.5	536.6	498.6	461.7	423.7	388.7	356.0	326.3	297.9	273.2	248.7	227.6	208.6	190.8
10	267.4	294.0	321.9	350.7	383.6	419.4	455.3	493.9	535.6	580.1	624.1	671.7	720.7	767.0
11	402.3	406.9	415.1	431.9	432.6	429.2	424.7	423.3	419.3	422.6	418.4	411.7	397.1	376.6
12	447.2	443.7	443.6	443.4	446.7	430.1	443.0	437.8	430.7	418.5	403.3	389.5	386.9	394.3
13	398.3	399.8	399.7	405.9	408.6	407.6	405.9	405.3	405.5	406.9	405.4	408.9	415.1	407.0
14	436.2	428.8	424.8	417.0	425.7	409.9	417.4	419.9	417.6	418.9	417.2	416.1	408.9	396.1
15	413.8	410.6	408.4	402.0	400.1	393.6	391.4	387.2	383.3	379.5	375.3	372.6	368.7	363.1
16	416.3	413.5	410.4	405.7	402.9	398.0	397.0	394.8	390.9	388.4	383.8	382.0	379.8	382.8
17	607.2	566.0	523.7	479.6	436.3	395.7	361.0	323.0	286.1	259.9	236.0	216.9	199.3	182.4
19	320.0	322.2	323.6	325.6	326.7	326.0	327.4	328.4	328.3	330.6	329.3	333.0	333.5	329.0
20	324.9	329.5	330.8	330.8	334.1	334.0	334.7	337.2	338.3	341.3	340.0	341.1	336.5	328.7
21	299.6	300.4	300.7	299.3	301.7	300.4	304.5	306.1	304.7	303.2	301.2	301.4	300.2	299.7
22	306.3	308.7	309.6	310.9	313.4	314.3	318.0	318.9	319.9	317.1	314.1	312.1	311.2	308.9
23	256.7	258.1	257.0	259.4	258.3	257.3	257.2	258.1	256.1	258.4	259.3	263.7	262.8	262.4
24	270.6	273.1	273.8	272.0	271.6	269.3	267.9	265.6	262.1	265.2	264.8	267.9	268.4	270.9
25	239.7	241.3	240.7	241.3	240.8	238.6	237.9	236.0	233.0	233.6	231.1	229.6	230.9	229.6
26	250.5	252.3	250.8	250.8	248.7	247.9	246.8	245.5	244.0	244.5	245.4	245.5	244.8	244.7
43	401.7	412.9	416.4	427.3	436.7	445.4	452.3	459.0	460.8	466.4	467.4	472.6	467.8	462.7
44	421.6	414.6	423.8	435.7	443.3	444.9	455.2	464.3	467.7	472.1	473.4	477.5	478.8	473.6
67	222.3	226.5	230.2	234.2	235.1	235.0	236.7	237.8	238.5	241.0	241.8	242.5	240.7	240.5
68	235.0	239.4	242.1	243.7	245.4	249.3	252.6	252.0	251.4	254.8	255.1	260.3	261.2	259.2
85	539.8	542.0	543.8	545.5	543.3	545.3	540.7	540.4	533.7	529.0	520.8	512.2	500.4	488.3
86	560.3	562.0	564.6	565.7	567.0	567.3	568.4	565.9	557.9	551.1	544.8	534.5	529.6	521.4
87	403.4	432.7	459.8	490.5	520.6	550.5	579.8	612.9	641.9	673.6	703.8	733.7	757.2	781.1
88	406.2	436.3	465.7	499.3	532.0	562.2	594.2	624.5	655.4	687.7	716.8	747.2	775.5	807.8
89	180.3	196.3	214.5	233.0	254.9	279.8	305.3	337.0	368.6	403.5	441.5	480.5	519.1	558.2
90	181.3	197.6	216.3	236.5	260.3	284.3	312.5	343.3	374.0	408.5	445.9	481.8	518.5	560.1
91	181.7	196.3	214.1	233.3	256.3	280.2	307.0	338.0	370.7	406.6	443.7	484.9	523.9	562.5
921	626.9	585.8	542.1	501.7	462.4	425.0	391.3	359.5	329.0	302.3	276.7	252.0	230.5	211.7

Table LXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 674	R: 675	R: 676	R: 677	R: 678	R: 679	R: 680	R: 681	R: 682	R: 683	R: 684	R: 685	R: 686	R: 687
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	391.6	429.0	466.1	500.9	537.0	578.6	621.7	670.5	713.7	762.1	812.1	866.5	917.1	964.3
93	262.0	286.9	313.5	340.7	374.4	409.1	446.3	484.4	524.8	568.6	611.0	659.7	708.9	752.3
94	379.1	411.2	447.4	484.7	524.6	567.7	612.8	658.5	707.3	757.1	806.6	861.3	909.2	953.9
95	192.0	209.8	229.9	249.5	273.6	299.8	329.4	358.8	393.7	431.2	467.3	510.6	552.7	598.4
125	268.5	273.8	274.4	277.0	277.0	273.9	268.1	263.8	260.1	255.2	252.2	248.9	245.1	243.8
126	297.2	299.2	299.8	299.1	298.7	294.3	288.7	285.1	280.1	275.8	268.5	265.5	260.0	261.1
128	470.6	430.4	396.8	363.7	333.6	304.7	279.7	255.3	240.4	221.9	205.6	193.5	183.2	173.6
132	162.2	170.4	181.3	194.8	211.1	230.1	249.7	272.0	297.1	327.3	357.1	389.2	421.5	461.4
201	1280.9	1238.5	1194.4	1149.7	1106.3	1056.4	1008.6	955.2	909.2	856.6	803.5	750.9	700.0	662.8
202	1414.7	1392.6	1366.8	1336.4	1307.7	1274.0	1239.9	1196.2	1165.2	1121.8	1075.2	1033.3	984.1	938.3
203	1453.6	1458.8	1451.0	1439.9	1428.3	1408.5	1388.6	1357.9	1335.5	1304.9	1265.9	1226.9	1184.6	1135.1
204	1386.5	1415.1	1430.6	1443.8	1452.7	1454.0	1453.6	1445.5	1439.5	1429.5	1409.5	1389.5	1357.3	1325.8
205	1217.1	1257.5	1295.5	1327.8	1362.7	1389.6	1412.5	1426.3	1438.4	1449.6	1453.0	1455.0	1452.8	1434.8
206	1006.5	1059.6	1108.8	1152.0	1200.4	1242.6	1281.9	1314.9	1347.0	1377.2	1401.6	1425.3	1436.3	1437.2
207	840.4	892.0	943.0	993.0	1042.8	1088.6	1135.7	1176.7	1221.4	1262.7	1295.9	1332.1	1356.8	1375.1
208	755.7	797.6	840.6	883.8	928.7	973.2	1021.1	1066.3	1114.3	1159.8	1199.6	1240.0	1271.7	1299.4
209	1081.0	1093.8	1099.5	1102.9	1102.2	1098.8	1093.1	1082.4	1070.6	1057.5	1037.8	1018.6	995.9	968.1
210	1220.3	1235.2	1245.6	1257.3	1259.9	1258.8	1256.5	1248.4	1235.3	1224.2	1209.8	1186.9	1159.4	1130.9
211	1339.2	1359.5	1374.6	1386.7	1396.1	1396.4	1398.4	1388.7	1375.6	1367.4	1350.9	1334.0	1302.9	1270.6
212	1352.2	1377.9	1391.9	1406.9	1416.0	1415.6	1416.9	1402.1	1395.0	1383.2	1362.7	1338.1	1317.4	1286.6
213	1249.4	1268.8	1281.3	1288.3	1295.2	1294.6	1294.1	1282.4	1269.8	1255.4	1236.1	1214.0	1193.0	1168.2
214	1097.6	1109.5	1117.3	1120.1	1124.2	1121.8	1116.4	1103.2	1090.9	1078.2	1058.6	1041.6	1017.6	994.7
215	606.1	568.8	528.7	491.2	453.6	415.7	384.3	351.7	322.1	296.9	269.8	246.3	224.8	206.5
216	518.4	527.4	536.0	543.1	549.8	552.2	555.4	558.9	557.9	556.3	555.3	551.5	545.8	540.8
217	534.9	544.0	552.3	560.2	566.8	572.0	578.5	574.2	574.7	574.2	570.0	566.7	566.6	561.7
218	387.8	421.2	459.2	497.9	538.7	576.5	620.8	668.1	709.8	758.9	811.0	860.3	908.1	955.1
219	286.4	290.8	296.6	299.6	301.1	302.0	305.0	302.2	304.7	303.5	306.4	305.2	306.1	305.9
220	293.7	298.3	304.2	307.0	310.4	312.1	313.2	314.0	315.4	314.2	313.1	312.0	312.1	312.0
221	225.7	226.7	229.4	230.8	231.9	231.4	233.9	232.4	233.0	233.4	234.2	235.3	238.1	240.3
222	234.3	235.3	238.3	239.8	242.0	243.4	244.7	245.8	245.2	246.1	245.5	245.1	248.7	251.3
223	216.2	218.0	220.2	223.4	226.1	227.4	228.7	228.4	228.7	231.8	233.0	234.1	234.6	237.1
224	224.4	227.0	230.2	231.8	236.2	237.1	239.1	240.7	241.1	241.7	242.9	244.0	246.4	247.4
225	468.4	429.4	395.6	361.3	331.6	304.0	278.8	256.7	236.6	218.4	202.5	189.2	176.3	164.8
226	840.8	792.9	746.7	704.2	660.2	617.1	572.9	539.4	499.4	458.1	421.1	387.8	354.7	326.2
227	953.5	904.2	851.9	799.2	744.3	693.2	649.1	605.9	560.4	520.9	480.8	443.6	408.2	375.9
228	1096.1	1043.1	991.6	936.0	879.8	819.4	757.3	699.6	650.0	602.6	559.8	519.5	483.9	456.6

Table LXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 674	R: 675	R: 676	R: 677	R: 678	R: 679	R: 680	R: 681	R: 682	R: 683	R: 684	R: 685	R: 686	R: 687
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	517.2	561.4	601.4	646.4	691.7	739.9	790.6	839.8	887.5	937.0	984.8	1031.9	1078.1	1117.4
230	204.4	222.7	247.5	268.7	293.9	322.5	353.0	386.3	420.8	460.3	501.1	542.2	587.0	629.9
231	736.1	738.2	734.5	732.0	727.2	720.4	715.9	711.6	701.1	693.6	679.0	665.9	651.0	634.8
232	969.5	974.7	976.6	978.2	975.1	967.5	956.1	946.5	931.9	916.9	898.1	879.8	856.8	834.6
233	963.7	970.6	972.0	970.9	967.7	960.2	954.6	941.9	927.9	916.4	898.4	877.9	858.4	837.6
234	750.9	751.4	748.0	746.2	738.7	732.0	725.5	720.5	708.9	696.3	682.0	668.2	652.7	636.2
235	273.9	285.3	299.8	310.9	322.1	327.8	335.1	340.7	345.6	351.0	353.4	353.3	354.3	347.0
236	234.5	253.7	275.2	294.9	317.8	337.8	357.8	378.1	397.0	415.2	428.1	440.8	460.5	483.4
237	199.5	218.1	238.2	259.6	286.1	311.5	338.6	368.4	402.1	436.8	470.8	507.7	546.2	586.9
238	191.7	211.0	232.8	254.2	280.2	306.8	335.6	365.1	399.4	434.6	470.6	509.6	553.2	596.9
239	187.8	205.8	227.8	247.1	271.1	298.1	325.2	356.2	391.2	429.7	465.0	506.0	550.6	596.6
240	151.7	160.5	175.9	189.5	210.8	234.9	253.2	276.9	299.8	328.0	356.3	391.4	426.5	464.5
241	156.7	175.2	197.3	215.5	234.1	251.9	266.5	283.6	298.8	318.1	336.3	353.6	369.9	389.4
242	118.7	107.7	94.7	86.1	79.9	74.1	69.7	64.7	62.3	58.7	54.8	55.7	52.9	50.7
243	281.9	264.2	247.5	226.9	209.8	192.4	176.3	161.8	149.3	137.7	128.8	121.1	111.1	105.5
244	458.5	420.8	389.1	358.1	329.0	300.8	275.6	253.1	234.5	217.5	201.2	189.1	176.7	165.8
245	468.4	430.0	396.5	362.0	331.8	303.0	278.8	253.9	235.6	215.8	200.4	186.6	174.0	164.6
246	373.5	362.1	340.2	329.0	316.7	307.9	313.3	327.1	326.9	324.4	324.0	322.5	323.4	323.3
247	281.2	289.5	294.7	301.5	307.6	309.2	310.3	308.4	307.9	304.0	298.8	293.5	281.4	266.8
248	267.3	265.9	263.8	261.3	258.4	255.1	251.1	248.4	244.4	239.5	237.8	236.8	232.1	230.1
249	273.8	271.6	270.2	266.6	266.9	263.4	260.0	256.3	252.6	247.1	245.7	249.8	244.3	241.5
250	211.6	238.5	252.7	255.4	248.2	242.1	229.1	217.8	209.8	201.3	192.7	182.9	166.1	161.6
251	165.0	162.9	159.0	156.6	157.3	155.0	155.4	155.1	157.6	159.6	159.5	160.2	161.1	165.1
252	553.6	596.9	634.2	678.8	722.1	770.6	822.9	875.0	926.5	979.2	1028.1	1074.5	1117.8	1158.3

Table LXVIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi	R: 643 Pi	R: 654 Pi	R: 645 Pi	R: 646 Pi	R: 653 Pi	R: 655 Pi	R: 649 Pi	R: 650 Pi	R: 651 Pi	R: 652 Pi
2	234.1	256.8	278.7	303.1	327.6	356.4	382.6	409.9	440.9	472.2	502.4	532.0	563.1	595.8
3	343.9	348.8	355.5	361.9	363.7	368.2	369.2	369.8	370.5	370.5	370.4	368.3	363.1	356.9
4	309.6	316.3	322.5	325.1	329.5	334.6	335.9	336.9	335.5	334.7	331.8	328.7	325.2	321.1
5	352.3	354.1	356.0	357.4	357.4	356.4	354.0	351.1	349.4	348.6	346.5	341.7	337.2	331.7
6	313.9	316.6	316.7	317.3	317.6	318.1	317.5	315.1	311.1	307.1	303.7	301.0	296.3	289.5
7	361.7	360.3	356.1	355.0	351.6	345.8	341.4	334.9	331.6	328.6	325.8	320.3	315.6	309.7
8	324.2	323.4	319.2	318.8	314.8	312.8	310.0	306.5	298.1	294.7	290.4	286.7	283.1	277.5
9	388.4	363.5	335.5	311.2	287.7	263.7	244.4	224.0	205.6	188.7	172.2	157.8	144.5	132.7
10	185.0	202.9	221.6	242.2	264.2	286.9	311.0	335.1	359.8	389.7	418.5	450.0	481.3	513.2
11	320.6	323.1	319.8	319.7	319.3	316.7	313.7	309.1	310.0	308.4	305.0	301.3	294.5	292.1
12	280.8	281.5	281.6	281.4	281.8	273.6	277.3	275.6	272.7	269.2	266.3	262.0	256.1	253.4
13	310.9	309.3	305.3	302.8	302.1	302.2	299.8	296.6	295.9	300.0	298.8	299.1	296.8	294.3
14	273.1	271.4	268.1	266.9	266.6	260.8	261.8	263.3	261.9	260.9	260.6	259.8	256.6	251.0
15	303.1	301.9	298.5	296.9	293.9	290.8	286.1	282.1	279.6	276.7	275.1	272.8	271.4	270.3
16	261.4	259.1	256.6	255.7	252.9	252.1	249.3	248.5	244.8	240.7	241.5	239.1	238.2	236.2
17	397.2	367.5	338.8	311.3	285.3	261.4	238.7	215.3	198.5	180.6	168.2	153.3	139.3	127.0
19	238.7	241.0	239.9	240.6	240.5	242.5	239.7	239.8	239.7	239.9	242.9	242.7	244.3	244.9
20	204.0	207.4	208.7	208.5	210.8	211.1	212.7	213.1	211.1	212.3	211.2	209.2	205.0	205.0
21	221.6	220.7	221.3	222.3	222.2	224.1	225.7	224.9	224.9	224.3	225.0	223.6	223.0	222.8
22	191.9	193.2	195.2	196.0	198.2	199.1	199.1	199.1	197.8	196.6	195.8	195.4	194.5	194.7
23	187.2	188.8	190.2	191.2	191.2	191.4	190.5	190.5	188.1	188.9	190.8	192.5	193.4	194.9
24	170.0	170.7	170.7	170.7	170.3	171.4	171.5	169.5	167.5	167.6	167.2	168.3	166.6	166.7
25	179.9	179.7	178.7	178.5	177.3	177.6	176.3	174.1	173.4	174.6	176.1	176.1	174.4	175.8
26	152.2	153.7	154.4	153.5	152.9	155.0	153.4	152.4	149.7	149.1	147.3	147.5	146.4	147.8
43	297.5	300.4	307.2	314.7	321.8	326.3	332.2	334.1	337.6	341.6	343.1	343.1	342.3	341.8
44	262.7	264.4	269.2	274.2	280.7	282.5	290.2	292.5	292.4	293.9	295.8	296.7	296.9	296.8
67	167.0	169.4	171.0	173.1	173.9	175.8	175.6	175.5	177.7	179.0	179.9	183.9	182.6	184.4
68	142.9	146.5	149.3	151.6	152.8	154.6	156.6	155.6	152.8	154.0	154.8	155.8	155.3	155.0
85	390.7	395.1	395.8	395.2	393.9	395.2	394.1	392.8	390.5	386.9	382.2	375.4	369.8	361.3
86	358.8	359.3	361.1	361.8	362.4	363.6	362.1	361.3	356.5	354.4	347.8	343.8	335.7	328.3
87	286.8	308.4	327.8	346.6	367.5	389.4	409.2	428.1	448.6	470.9	491.1	510.8	529.7	549.3
88	269.4	288.2	308.5	329.4	347.0	368.7	389.0	409.1	427.8	448.4	467.2	486.9	504.6	522.6
89	125.7	138.7	151.0	162.7	178.9	195.9	213.8	233.6	249.9	272.5	295.9	319.3	346.4	375.7
90	122.7	134.1	146.7	160.1	174.4	190.7	206.7	226.8	244.5	266.2	290.5	314.8	340.5	366.0
91	124.1	134.3	147.8	159.9	174.3	192.1	209.6	227.8	246.4	269.4	293.4	319.0	346.4	374.1
921	423.1	395.6	365.8	340.1	314.3	291.3	267.0	248.6	228.3	209.0	192.8	176.2	160.0	146.4

Table LXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi	R: 643 Pi	R: 654 Pi	R: 645 Pi	R: 646 Pi	R: 653 Pi	R: 655 Pi	R: 649 Pi	R: 650 Pi	R: 651 Pi	R: 652 Pi
922	268.6	292.9	316.3	338.9	366.4	396.6	423.9	448.7	479.3	510.7	544.1	578.4	611.9	646.3
93	179.2	197.3	216.0	236.0	257.1	280.7	303.2	327.8	353.5	380.9	411.6	441.5	471.8	503.1
94	259.9	282.6	306.1	329.7	356.7	385.1	412.8	440.6	471.2	504.0	539.5	574.0	605.9	638.8
95	130.8	142.6	156.1	170.7	185.8	204.7	223.4	243.2	261.2	287.4	311.5	338.4	366.3	393.7
125	205.1	208.0	208.8	207.0	205.4	203.9	199.6	197.1	191.2	188.5	189.6	185.5	182.9	180.4
126	185.4	188.4	189.4	189.0	188.8	188.4	185.2	181.9	176.3	173.3	169.6	166.3	162.8	161.6
128	312.5	288.6	264.9	243.2	222.8	204.9	188.9	176.5	164.0	151.3	142.4	134.5	125.6	118.1
132	111.0	117.2	124.5	132.9	143.4	156.5	169.6	183.6	195.3	214.4	234.6	256.4	283.4	301.6
201	858.8	834.7	804.9	777.3	745.9	714.5	681.8	651.2	622.0	589.5	554.8	522.0	486.7	458.5
202	949.2	939.4	921.2	904.9	884.3	863.2	838.8	813.5	789.5	761.8	732.3	702.8	672.0	643.9
203	979.2	981.6	978.7	972.5	965.2	951.5	937.9	921.3	904.0	881.0	858.1	831.7	802.8	776.8
204	936.6	951.5	965.5	977.1	979.5	982.3	978.8	978.6	974.3	964.5	953.4	938.8	918.6	900.5
205	821.9	849.2	874.9	899.1	918.7	936.6	949.6	961.7	970.3	975.0	980.2	980.1	975.4	969.2
206	683.2	716.9	748.8	779.8	810.2	839.3	863.4	886.9	906.3	923.0	940.3	952.9	961.7	968.2
207	571.5	605.4	638.7	671.8	704.2	734.1	763.9	790.6	817.8	841.9	865.6	888.4	905.3	924.3
208	512.3	542.4	570.3	599.1	628.8	659.6	688.0	715.8	745.1	771.9	799.7	826.5	849.9	874.6
209	759.2	764.7	767.9	771.7	770.5	768.5	761.4	755.2	751.7	743.6	731.1	717.1	698.9	680.9
210	848.6	857.3	864.3	869.9	871.8	871.3	867.4	864.0	859.1	850.6	840.1	824.4	807.3	787.4
211	916.6	929.5	941.6	951.0	954.9	957.2	952.4	949.5	946.2	938.1	926.0	911.9	893.2	875.1
212	900.2	912.4	924.3	934.1	938.2	943.6	941.4	938.9	934.5	924.9	914.0	898.8	881.0	864.1
213	821.2	829.7	837.8	843.9	847.1	848.1	846.7	844.5	837.2	829.8	819.0	804.7	788.8	773.8
214	712.9	721.1	724.3	726.2	726.6	725.8	722.6	718.1	712.3	704.3	695.9	682.0	668.2	653.2
215	410.2	383.2	355.9	331.0	306.7	282.4	261.1	241.2	221.9	204.3	187.3	170.7	155.9	143.6
216	376.3	384.3	387.6	391.4	397.6	400.8	403.9	404.4	405.1	404.4	404.2	401.1	399.4	394.6
217														
218	265.6	290.8	314.3	339.4	366.5	393.6	422.3	449.8	476.7	508.5	543.5	576.9	610.2	642.4
219	215.0	218.9	221.3	223.7	226.0	224.8	228.5	228.1	227.5	229.5	229.7	229.9	231.3	232.1
220	184.9	188.8	191.5	194.2	194.5	195.3	197.1	196.3	194.3	195.7	194.4	195.0	194.8	195.2
221	171.5	172.4	173.1	175.0	174.6	174.6	175.3	174.8	174.7	177.8	177.1	178.8	179.5	181.6
222	142.8	145.9	146.1	147.8	147.3	149.1	150.0	149.7	147.4	149.1	147.5	147.4	148.6	151.2
223	161.5	164.3	166.6	170.0	170.2	172.3	173.1	171.4	172.2	173.4	175.5	177.7	178.7	179.2
224	136.5	140.2	140.2	141.6	143.4	145.0	146.8	147.6	145.1	146.6	146.8	147.6	147.8	148.1
225	318.4	294.5	269.9	249.2	228.0	209.9	193.6	179.2	163.9	151.9	140.1	130.4	122.4	115.0
226	565.0	533.7	504.0	474.1	445.7	419.4	390.8	365.0	342.8	319.4	293.1	268.7	244.6	223.8
227	641.0	608.2	575.0	539.4	504.3	473.0	441.4	414.4	390.6	363.1	335.3	310.2	283.8	261.0
228	734.7	701.3	666.2	630.2	593.7	556.0	513.9	479.8	450.0	419.1	389.6	361.6	333.8	311.1

Table LXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi	R: 643 Pi	R: 654 Pi	R: 645 Pi	R: 646 Pi	R: 653 Pi	R: 655 Pi	R: 649 Pi	R: 650 Pi	R: 651 Pi	R: 652 Pi
229	356.1	381.0	410.3	438.6	470.0	504.8	534.5	564.3	594.0	628.0	659.9	688.6	718.2	750.6
230	139.8	154.2	167.8	184.8	201.9	220.9	241.9	262.1	282.6	310.3	335.5	361.6	391.1	420.2
231	524.1	523.8	523.3	520.2	516.4	513.7	507.2	501.8	499.9	494.8	488.6	478.8	468.6	457.4
232	682.9	686.0	687.8	685.7	683.6	681.8	671.7	664.9	659.7	650.3	639.2	624.8	609.5	592.1
233	626.3	628.7	629.0	628.0	625.5	622.8	617.5	611.9	605.7	597.7	585.7	573.7	558.6	545.6
234	483.7	484.2	484.3	480.6	477.5	473.7	469.4	464.3	459.0	451.2	440.2	430.2	418.7	407.3
235	203.3	211.4	218.4	227.1	233.4	239.4	245.5	249.1	252.1	256.9	262.2	263.6	265.0	268.1
236	166.8	182.9	196.5	210.8	226.9	241.7	254.9	267.0	278.3	293.2	307.1	320.5	332.2	346.3
237	139.5	153.6	166.6	182.3	199.9	216.7	236.1	253.9	274.1	298.4	324.4	349.0	374.8	399.5
238	132.9	146.8	161.5	176.6	193.5	212.4	231.7	252.0	271.1	296.6	320.7	347.6	376.3	403.5
239	130.5	143.9	155.9	171.3	186.2	205.2	224.1	243.5	263.4	287.1	313.4	339.3	366.5	395.5
240	103.1	111.0	119.6	130.8	145.4	161.2	175.4	190.0	208.0	226.6	247.4	271.4	296.6	324.3
241	107.3	127.1	140.0	154.0	167.5	180.0	192.6	203.5	214.9	228.3	241.0	251.7	265.4	282.7
242	81.6	73.5	66.3	60.9	54.0	50.3	47.1	45.0	41.6	41.3	40.0	39.4	37.2	37.5
243	189.3	178.4	168.2	156.5	143.3	132.6	122.8	112.0	102.5	97.8	89.6	82.8	75.9	71.6
244	309.5	286.1	261.4	240.2	220.3	202.3	187.2	173.7	159.2	147.6	137.3	127.9	120.0	113.8
245	313.8	290.2	265.8	243.8	223.4	204.7	188.9	174.2	160.3	148.6	136.2	127.5	117.7	112.3
246	267.5	260.0	251.0	241.2	231.4	225.8	234.1	237.8	239.1	241.3	239.9	238.3	237.5	239.3
247	208.5	214.3	218.7	223.3	227.8	228.4	229.6	230.4	228.9	229.5	229.6	224.9	220.1	210.8
248	198.3	197.3	194.7	193.5	191.0	188.1	187.0	183.5	180.0	178.8	177.3	177.8	176.3	172.8
249	172.4	171.9	171.7	169.4	168.7	166.7	166.3	164.1	159.0	156.4	154.6	155.2	151.5	148.0
250	177.5	186.6	189.1	185.0	181.5	172.0	166.6	162.0	156.1	150.2	143.6	135.9	126.4	118.6
251	122.5	118.9	116.3	115.3	115.0	115.3	114.0	115.1	114.4	116.6	117.9	118.5	119.9	121.2
252	379.6	407.3	435.1	460.6	489.9	524.0	555.6	587.5	619.7	653.6	684.8	715.1	746.6	776.3

Table LXIX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 671 Pi	R: 657 Pi	R: 658 Pi	R: 672 Pi	R: 660 Pi	R: 661 Pi	R: 662 Pi	R: 663 Pi	R: 670 Pi	R: 673 Pi	R: 666 Pi	R: 667 Pi	R: 668 Pi	R: 669 Pi
2	232.5	252.9	275.4	299.7	324.8	352.6	381.6	410.0	440.9	472.0	502.3	535.6	565.3	596.7
3	318.1	323.0	329.5	334.2	336.9	339.1	343.3	344.8	344.6	344.2	339.1	337.3	333.9	331.6
4	331.8	335.8	340.1	343.9	349.0	352.6	355.8	356.4	357.0	356.7	356.8	357.9	354.7	350.2
5	325.9	326.5	326.9	328.0	328.3	328.3	326.3	327.5	322.4	320.1	318.1	314.8	313.0	307.5
6	337.3	337.4	337.3	337.9	337.8	337.2	335.8	335.2	331.6	329.0	328.7	325.2	322.4	314.9
7	333.2	331.3	328.9	326.3	322.1	317.3	315.7	312.8	308.7	303.9	298.5	294.8	292.4	286.6
8	348.9	344.2	340.3	337.6	334.2	330.4	327.3	323.8	317.7	317.0	313.0	310.8	308.0	300.6
9	386.0	360.6	334.5	310.6	285.9	261.8	242.2	222.6	203.2	185.6	169.5	155.1	142.4	130.7
10	183.5	198.7	217.5	238.4	261.3	284.2	309.0	335.4	363.8	390.5	420.9	452.2	482.7	512.9
11	296.9	295.9	294.9	292.9	291.6	289.3	287.0	287.5	286.2	285.0	281.3	275.9	270.3	267.0
12	306.6	306.3	305.5	306.9	305.0	303.7	300.9	299.3	296.8	293.1	288.9	285.6	283.7	279.6
13	286.0	283.6	281.1	278.1	277.7	276.6	276.5	274.9	276.0	276.6	275.5	276.1	274.0	270.1
14	297.3	295.2	293.6	290.9	291.0	288.1	285.5	286.8	286.5	286.9	284.8	282.3	279.0	274.0
15	278.7	276.6	276.3	273.7	270.6	266.7	265.3	261.7	260.4	256.4	253.8	252.1	250.3	245.4
16	283.6	282.0	280.3	278.0	274.5	273.0	272.1	268.5	266.9	265.3	261.1	260.9	259.2	257.5
17	396.2	367.0	339.8	310.7	284.9	257.1	234.7	212.1	203.1	175.6	161.1	147.4	137.9	124.5
19	217.8	219.8	220.3	220.5	220.6	220.1	221.6	221.4	223.5	223.5	223.5	224.4	224.8	222.1
20	223.6	225.0	225.8	227.1	227.2	227.4	228.1	228.8	230.2	232.0	230.1	230.5	229.4	226.1
21	202.3	202.2	201.6	202.9	203.5	204.0	205.3	205.4	207.0	205.5	204.8	203.6	203.4	203.1
22	208.1	207.4	209.0	210.7	211.8	213.2	215.9	216.3	216.4	214.7	213.7	211.5	212.5	210.4
23	171.6	170.6	172.7	174.0	173.3	172.5	172.3	174.7	174.4	173.6	176.0	177.7	178.7	176.5
24	185.6	184.8	183.7	184.1	183.0	182.2	182.1	180.6	181.7	181.9	183.5	183.8	185.6	186.0
25	161.6	161.9	162.4	163.1	162.4	160.9	160.7	160.0	158.7	157.8	157.1	156.4	156.8	157.5
26	170.7	168.8	170.2	171.3	169.2	167.1	167.1	167.2	166.4	166.7	166.3	166.6	167.2	165.8
43	274.9	276.0	281.5	288.4	294.0	299.1	304.8	309.0	311.8	314.5	316.2	316.6	314.9	312.8
44	286.9	288.5	293.3	299.5	305.4	310.9	314.6	318.8	322.2	323.0	325.4	326.2	326.2	324.3
67	150.3	152.9	155.3	158.4	158.7	158.5	159.9	159.3	160.9	161.7	163.8	162.5	163.6	163.0
68	161.0	161.9	164.1	165.9	167.6	168.1	169.5	170.5	171.1	174.3	174.6	178.6	178.2	175.7
85	364.6	362.6	366.4	367.3	366.3	365.8	366.0	364.0	360.0	356.0	351.9	347.3	338.0	333.3
86	378.8	380.6	382.7	383.2	383.5	384.6	382.9	381.0	376.9	373.2	367.6	364.7	361.7	356.9
87	274.4	292.7	311.8	330.8	351.2	371.3	391.7	412.2	433.1	454.0	473.4	491.7	508.6	525.3
88	277.3	296.4	317.3	337.0	358.9	378.7	401.4	422.8	443.9	464.2	483.1	505.7	525.2	547.1
89	124.4	133.0	145.6	159.0	173.0	189.4	209.2	228.4	250.0	272.0	296.9	321.8	347.8	371.6
90	126.3	136.3	148.2	161.5	175.5	193.6	212.1	232.3	254.5	275.7	298.9	323.3	349.2	377.7
91	124.7	134.9	145.7	160.7	175.1	191.3	210.2	229.3	252.7	275.2	298.6	324.2	348.6	375.6
921	419.4	389.8	364.2	336.1	309.9	287.6	264.8	245.5	224.3	205.2	187.0	171.9	156.7	145.2

Table LXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 671 Pi	R: 657 Pi	R: 658 Pi	R: 672 Pi	R: 660 Pi	R: 661 Pi	R: 662 Pi	R: 663 Pi	R: 670 Pi	R: 673 Pi	R: 666 Pi	R: 667 Pi	R: 668 Pi	R: 669 Pi	
922	268.6	288.2	313.7	336.8	366.8	393.4	420.7	449.6	482.7	512.9	545.7	579.7	615.0	647.4	
93	177.1	194.1	213.2	233.5	253.2	276.0	301.2	327.6	355.1	383.5	412.7	444.2	474.5	504.8	
94	258.5	278.3	303.8	329.1	355.8	383.1	414.2	442.9	476.5	508.2	543.1	579.4	610.8	641.7	
95	132.9	143.5	154.9	169.5	186.0	203.9	222.8	243.2	266.3	290.6	315.7	344.9	372.5	400.0	
125	183.3	184.7	186.1	186.3	185.9	185.2	183.0	179.8	175.8	171.2	170.5	167.8	168.2	164.2	
126	200.3	202.9	202.8	202.0	201.2	199.8	197.4	193.6	190.6	185.4	181.9	179.5	176.5	179.2	
128	311.6	286.6	263.5	244.4	223.3	205.5	189.5	174.4	161.1	151.2	140.7	132.0	124.7	118.2	
132	112.9	117.2	124.8	135.0	144.7	157.5	170.0	185.5	201.5	220.5	241.5	262.9	286.8	307.5	
201	856.4	833.5	804.0	774.9	742.9	711.1	680.6	648.8	614.1	580.0	546.5	512.0	479.8	453.7	
202	947.0	936.0	919.1	902.1	879.6	858.1	833.4	810.0	783.6	755.8	724.6	694.8	667.4	636.0	
203	977.5	978.5	974.0	970.3	957.9	947.1	931.8	917.9	898.6	878.0	851.7	828.0	799.5	770.0	
204	933.4	948.7	960.4	971.3	973.5	976.0	975.3	974.0	968.9	962.6	948.1	935.5	918.0	896.1	
205	820.3	847.8	871.9	896.8	913.2	931.3	946.5	957.6	967.4	975.4	979.1	979.6	975.9	965.8	
206	680.5	712.9	746.8	779.1	805.9	833.8	859.0	881.2	906.2	925.4	941.2	956.0	964.7	968.6	
207	570.1	603.7	636.3	669.0	701.0	732.1	760.3	790.3	818.3	845.9	869.2	891.0	909.7	925.6	
208	511.2	540.0	567.0	596.5	625.3	656.2	685.5	714.8	746.5	776.7	803.7	829.1	853.2	873.7	
209	725.9	731.9	736.9	740.5	740.0	737.3	731.3	726.8	717.7	708.4	696.6	680.9	669.2	653.7	
210	821.0	831.2	837.0	843.4	845.2	844.4	843.5	837.8	830.3	822.4	812.7	796.3	781.6	764.6	
211	903.0	913.8	921.6	933.4	934.8	937.2	937.2	933.2	927.8	920.1	910.7	898.4	878.5	859.2	
212	910.4	925.4	934.8	946.4	949.5	953.4	951.7	949.2	942.9	932.7	919.6	904.4	891.3	872.3	
213	842.9	850.3	860.3	867.0	868.7	869.8	868.7	864.4	856.0	846.7	834.6	819.6	804.7	790.6	
214	741.1	746.1	752.0	755.7	755.6	753.8	749.9	743.3	736.0	726.8	713.9	702.7	688.9	674.4	
215	406.1	379.0	352.1	327.6	302.2	280.3	257.5	238.0	218.7	199.9	182.0	167.4	152.6	139.6	
216	349.0	354.0	359.8	365.7	367.9	371.2	375.2	376.7	376.6	375.2	374.3	374.0	368.5	364.6	
217															
218	263.6	284.7	310.0	336.7	362.6	388.5	418.2	447.4	478.6	511.7	544.1	577.7	609.9	642.0	
219	196.3	200.0	201.5	204.1	204.8	205.5	208.4	208.2	209.2	209.7	209.7	210.7	210.6	209.5	
220	200.4	204.0	206.2	209.9	211.0	212.1	215.0	213.2	215.7	214.0	212.1	212.9	214.4	213.2	
221	154.8	153.5	153.6	156.4	156.2	157.0	158.5	157.8	159.1	158.3	159.1	159.4	160.8	162.7	
222	159.6	157.7	160.3	162.3	162.3	162.9	166.4	164.6	165.8	166.4	166.1	165.3	166.4	168.2	
223	149.1	149.0	149.9	150.9	151.6	153.5	154.9	154.9	156.9	157.5	158.8	159.2	159.5	159.7	
224	151.3	152.5	154.2	156.4	157.6	159.4	160.2	161.1	162.9	162.4	163.4	166.4	166.2	166.1	
225	317.7	293.1	268.1	246.5	226.1	206.7	191.1	175.2	162.4	150.7	139.6	129.9	121.9	114.7	
226	565.1	532.5	503.5	473.8	447.8	417.3	390.0	362.4	336.1	309.8	286.5	263.0	242.2	223.5	
227	641.2	608.3	575.3	539.4	506.5	471.9	441.7	411.8	381.4	353.5	328.4	302.7	281.5	260.9	
228	735.4	703.0	666.3	629.6	594.7	555.8	515.4	476.1	441.9	408.2	379.1	351.9	329.9	309.6	

Table LXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orientation ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 671 Pi	R: 657 Pi	R: 658 Pi	R: 672 Pi	R: 660 Pi	R: 661 Pi	R: 662 Pi	R: 663 Pi	R: 670 Pi	R: 673 Pi	R: 666 Pi	R: 667 Pi	R: 668 Pi	R: 669 Pi
229	352.5	377.4	408.0	436.7	469.4	501.4	533.0	563.4	597.5	627.5	660.4	690.9	721.4	752.7
230	139.3	152.3	165.2	181.8	197.7	217.2	238.4	259.1	285.5	310.8	337.2	365.6	393.9	422.5
231	492.6	491.2	492.8	489.4	487.5	481.8	478.4	473.9	467.8	461.9	454.3	445.8	437.0	428.5
232	651.7	653.5	655.8	654.3	653.9	649.6	641.7	637.2	625.7	617.2	604.1	589.6	577.0	562.6
233	650.7	653.1	654.8	652.8	653.2	647.3	643.1	635.1	628.2	618.4	606.9	594.5	582.3	568.0
234	509.9	507.1	507.7	502.2	502.6	498.0	492.6	486.1	479.8	470.2	461.4	450.5	441.6	432.7
235	186.7	192.6	201.8	210.5	215.6	221.3	225.9	229.4	233.4	237.2	238.7	239.0	237.7	232.4
236	159.3	172.2	186.7	200.5	214.2	226.3	240.4	254.2	266.7	279.7	291.2	296.5	310.0	325.5
237	136.1	146.7	161.2	178.2	191.7	210.3	228.9	248.2	272.5	294.5	317.6	343.0	369.2	392.8
238	131.6	141.5	156.9	172.8	187.3	206.9	226.7	245.4	269.6	293.1	317.8	345.7	371.9	401.8
239	130.6	140.0	154.4	168.7	183.0	201.0	219.9	240.6	264.2	288.2	314.6	343.1	371.9	398.1
240	104.8	112.1	121.4	133.1	145.9	160.3	176.5	190.7	211.0	229.4	250.6	270.9	294.7	318.8
241	107.6	119.8	133.2	145.7	156.7	167.9	180.1	191.1	203.3	212.7	223.6	236.0	247.2	261.2
242	82.1	70.3	64.2	59.0	52.9	48.7	47.2	45.1	43.7	41.5	40.2	38.9	37.7	36.3
243	190.2	177.0	166.3	154.4	140.3	129.8	121.1	110.1	101.9	94.0	88.2	81.8	74.6	69.2
244	306.5	280.4	259.4	239.4	219.0	201.4	185.5	171.3	158.8	146.5	135.8	128.2	119.4	113.2
245	314.5	288.8	265.9	245.0	223.1	204.5	188.8	172.8	160.1	147.6	136.9	127.2	117.9	111.5
246	249.6	238.3	232.6	225.1	214.3	206.9	212.8	218.0	218.9	219.4	219.7	219.9	219.5	219.1
247	191.1	195.1	198.8	205.0	206.4	207.6	208.5	210.8	208.6	206.9	203.9	199.9	192.1	181.2
248	182.0	179.0	179.2	177.9	176.6	173.6	172.9	169.9	167.4	163.9	162.0	161.6	159.2	155.5
249	190.3	186.5	184.5	183.4	181.6	179.5	178.6	177.4	174.5	172.0	168.6	170.5	167.7	163.9
250	146.1	160.5	170.0	172.6	168.0	163.7	152.9	149.7	143.5	138.2	131.7	124.4	115.7	109.5
251	114.1	111.7	110.0	108.9	108.7	107.2	108.4	109.1	109.7	107.5	107.9	109.1	112.1	112.5
252	377.7	403.3	430.7	457.7	491.1	520.2	555.1	587.6	622.6	655.3	686.9	718.6	749.1	778.4

Table LXX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 720	R: 721	R: 722	R: 723	R: 724	R: 725	R: 726	R: 727	R: 734	R: 729	R: 730	R: 731	R: 732	R: 733
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	232.9	254.4	276.3	300.8	325.8	353.3	380.5	408.2	438.4	467.0	499.2	529.6	562.3	157.0
3	294.9	300.4	305.1	310.3	312.5	316.4	318.1	320.3	318.9	315.4	314.1	311.5	309.4	152.5
4	354.5	361.5	367.4	372.7	376.8	380.7	383.2	385.0	384.7	384.0	384.1	381.8	377.2	152.1
5	301.3	302.8	303.4	303.1	304.2	304.0	302.3	302.5	301.3	296.7	295.1	291.8	286.3	296.9
6	363.5	362.9	363.3	364.0	367.0	365.0	362.6	362.0	358.3	355.5	351.2	348.5	343.8	335.2
7	309.0	306.4	305.3	302.8	299.7	296.2	292.8	288.9	286.4	281.9	277.8	274.3	269.4	263.1
8	374.0	370.9	367.7	365.0	362.1	357.9	353.6	348.9	345.0	339.8	336.3	331.1	326.1	320.9
9	389.0	360.7	336.4	310.3	286.5	263.3	242.6	222.2	204.6	188.0	173.4	159.3	144.2	132.5
10	181.7	198.6	217.9	238.1	260.4	282.8	308.8	331.7	357.2	386.9	415.7	446.3	476.4	510.0
11	271.5	271.1	271.2	269.1	270.2	268.9	265.1	264.7	263.9	262.2	257.0	252.3	247.2	243.4
12	325.8	325.5	326.2	326.2	326.8	325.0	321.9	320.9	317.1	313.2	307.8	307.4	305.2	302.8
13	260.8	259.1	257.5	255.4	255.6	255.3	253.2	253.5	253.5	253.3	250.0	250.1	249.2	247.2
14	318.1	314.8	313.4	310.8	310.5	308.0	305.8	306.1	306.4	305.6	304.2	303.5	297.3	295.2
15	253.9	252.9	252.1	251.1	249.9	248.1	244.8	241.5	240.3	234.8	230.8	228.4	228.3	226.0
16	302.3	299.5	298.2	294.7	294.1	290.3	287.0	285.8	284.5	282.4	280.4	280.3	277.8	275.5
17	397.6	368.2	341.1	313.2	285.8	262.3	238.5	215.2	195.6	180.5	167.1	153.7	141.9	155.1
19	199.2	202.0	202.1	202.3	203.2	203.2	202.8	201.9	203.8	204.1	202.7	204.7	205.2	153.7
20	241.5	242.0	242.9	242.7	242.7	243.8	243.6	246.0	246.1	249.6	250.7	253.0	250.7	153.6
21	184.6	184.4	186.8	187.0	188.6	189.8	190.5	190.3	190.3	188.7	187.5	183.5	183.3	153.6
22	226.9	227.6	228.7	228.6	231.0	231.4	234.2	235.2	236.3	235.7	233.9	234.1	233.1	153.6
23	155.8	155.4	157.4	157.1	158.2	158.9	158.4	158.9	157.4	156.8	157.5	160.0	158.5	153.6
24	203.2	202.8	203.2	202.5	202.4	201.4	200.8	198.8	198.5	198.7	201.0	202.9	204.3	153.6
25	149.1	148.8	150.8	148.9	150.0	149.7	148.1	146.5	147.1	146.7	144.2	144.1	145.4	153.6
26	185.5	183.9	185.9	184.1	184.3	183.1	182.8	180.0	180.8	180.7	179.5	179.9	179.0	153.6
43	252.3	254.6	262.4	267.4	273.7	279.2	282.4	285.3	289.1	290.0	289.2	288.8	287.7	168.4
44	306.7	308.0	312.4	318.7	324.9	331.3	335.5	340.6	342.9	344.0	347.0	350.2	351.8	241.5
67	138.7	141.6	143.8	144.8	146.3	146.9	147.0	146.5	149.1	148.9	150.1	150.2	149.2	
68	173.2	175.8	178.4	180.2	181.7	183.7	185.9	184.9	186.5	187.8	188.9	191.6	192.2	373.1
85	336.7	339.4	339.5	339.7	339.6	339.5	337.3	336.7	334.0	330.7	325.6	320.3	313.3	307.3
86	408.5	411.3	414.5	414.8	415.2	414.5	412.7	412.7	407.0	403.9	398.0	393.3	387.7	380.4
87	260.0	278.1	296.1	314.1	333.7	353.3	371.1	389.9	409.1	428.4	446.4	466.6	483.4	500.3
88	289.0	311.2	332.9	355.2	376.5	398.5	421.2	442.1	461.7	482.9	506.6	526.7	545.6	564.5
89	120.3	131.7	142.6	157.0	170.3	186.4	203.4	221.2	242.8	264.6	286.5	311.1	336.7	364.5
90	126.0	137.4	148.5	162.2	175.5	194.8	211.3	231.8	252.0	275.8	299.3	326.0	352.8	379.2
91	121.1	132.5	144.9	157.3	172.6	188.7	204.9	225.3	246.9	267.4	292.3	318.5	344.3	160.0
921	421.7	394.5	365.4	338.5	314.3	289.3	266.1	246.4	226.9	207.6	190.0	176.1	159.4	162.5

Table LXX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 720	R: 721	R: 722	R: 723	R: 724	R: 725	R: 726	R: 727	R: 734	R: 729	R: 730	R: 731	R: 732	R: 733	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	267.1	291.2	313.2	340.2	365.5	392.5	421.9	449.2	480.4	510.1	544.7	579.0	612.4	528.8	
93	177.5	194.8	212.8	232.3	253.6	276.4	299.0	324.6	351.4	378.2	407.9	438.2	467.4	156.9	
94	259.0	283.6	307.4	332.3	360.3	387.9	415.4	446.8	477.0	508.5	544.2	578.8	610.3	152.1	
95	129.5	142.2	154.3	168.6	184.7	202.8	219.4	239.8	262.1	284.6	310.2	338.2	366.5	152.1	
125	162.9	168.0	169.1	171.9	170.6	171.6	168.5	164.6	161.1	157.3	154.9	152.6	149.2	152.1	
126	221.5	223.0	222.4	221.6	219.4	217.9	213.5	210.5	205.2	201.9	199.7	196.9	195.6	152.1	
128	318.7	288.6	265.1	242.5	221.1	205.5	187.5	175.0	162.5	151.2	140.5	132.2	124.7	152.1	
132	111.8	118.5	124.8	133.1	144.0	156.6	168.2	182.6	197.5	215.5	237.9	259.8	283.8	152.1	
201	859.0	832.9	804.4	777.0	745.1	712.1	681.6	649.3	619.3	585.7	552.0	517.5	481.2	454.0	
202	948.9	936.4	920.5	902.9	881.5	859.9	837.2	811.4	788.0	759.4	731.3	700.6	670.3	639.8	
203	977.3	978.3	975.8	969.4	961.2	949.4	937.7	921.2	903.0	881.4	857.0	832.0	803.0	773.6	
204	934.1	950.2	961.6	969.8	973.7	977.4	977.8	975.5	973.4	962.7	952.4	938.2	919.9	898.8	
205	821.4	847.3	872.1	895.7	913.9	930.8	947.2	958.3	970.4	977.3	978.7	981.0	978.0	971.7	
206	682.3	714.0	746.3	778.3	806.6	834.9	860.3	881.8	904.6	924.1	941.3	955.7	965.0	971.4	
207	571.4	604.8	638.0	671.8	701.1	733.4	762.8	790.0	816.1	843.4	867.3	890.1	909.5	927.0	
208	513.2	540.3	568.1	598.8	626.6	656.6	686.2	715.8	745.4	774.2	801.2	830.1	853.7	875.1	
209	693.9	698.7	703.3	705.9	704.7	702.8	699.4	694.0	688.8	679.6	669.9	655.5	639.7	624.4	
210	795.0	801.2	810.0	816.0	816.2	818.5	817.4	812.4	809.4	800.4	788.9	775.6	758.1	743.2	
211	887.4	900.0	907.4	915.4	919.6	922.6	923.5	921.4	917.7	909.7	897.7	884.7	867.1	847.3	
212	925.6	937.9	951.4	959.2	962.5	964.0	965.6	962.2	958.9	950.7	938.1	925.5	906.3	586.6	
213	867.5	879.6	888.4	893.9	894.2	894.4	893.2	888.8	885.0	875.8	864.6	852.6	834.0	581.1	
214	776.8	785.1	790.8	791.8	790.4	789.4	786.3	779.2	773.9	764.0	753.8	740.3	723.9	581.1	
215	406.9	381.1	353.5	327.5	304.3	279.8	258.1	237.3	218.7	200.5	184.7	170.1	155.1	141.1	
216	324.1	329.4	335.3	339.3	342.9	345.1	346.1	348.1	348.8	346.5	346.9	345.4	341.2	338.0	
217	391.5	399.5	404.7	409.9	414.2	417.4	419.0	420.5	419.1	418.0	417.5	414.2	412.5	409.0	
218	261.0	285.8	309.5	333.7	359.7	387.5	414.8	443.5	472.5	502.0	536.0	570.1	602.3	635.0	
219	177.4	182.2	184.2	185.4	187.9	187.4	188.5	188.3	190.5	188.9	187.8	187.1	185.1	183.4	
220	218.5	221.5	224.1	226.3	229.3	229.0	231.0	231.8	231.5	232.0	232.5	234.1	234.4	233.5	
221	143.5	144.5	145.9	146.7	146.9	147.3	147.9	146.7	148.4	147.9	147.2	147.6	147.2	148.8	
222	173.5	173.6	174.0	174.7	176.0	177.0	176.7	175.8	176.2	177.2	179.1	181.5	185.5	187.8	
223	136.5	139.4	142.3	143.1	146.2	144.9	145.7	145.4	144.1	143.3	144.3	145.3	145.0	142.3	
224	167.7	169.4	170.0	169.9	172.9	173.4	173.9	175.3	178.3	179.0	180.5	184.3	186.4	187.8	
225	316.6	292.1	270.2	246.2	228.1	208.4	191.7	175.4	164.0	149.5	137.8	128.8	119.6	111.2	
226	565.9	533.6	504.5	476.7	446.2	419.3	391.1	365.1	340.1	313.5	289.4	264.6	243.8	581.1	
227	644.4	609.5	575.7	541.7	505.5	473.2	443.0	414.5	389.6	360.7	334.9	309.2	283.9	581.1	
228	736.6	703.1	669.5	635.0	593.8	557.3	517.6	478.7	446.8	415.3	387.0	358.9	335.2	581.1	

Table LXX: Arnes Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 720	R: 721	R: 722	R: 723	R: 724	R: 725	R: 726	R: 727	R: 734	R: 729	R: 730	R: 731	R: 732	R: 733
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	355.3	380.8	407.9	439.7	469.1	500.8	532.2	562.5	593.4	625.3	658.1	690.2	721.0	581.1
230	138.3	152.2	165.8	180.5	199.1	217.1	236.6	257.7	280.3	304.5	331.5	359.7	386.8	
231	469.0	467.7	465.4	466.0	462.2	459.2	454.7	449.6	446.5	438.7	431.3	422.0	412.8	581.1
232	618.0	619.8	621.2	620.9	618.0	614.5	610.3	603.6	597.9	588.9	577.9	565.0	550.3	581.1
233	688.1	691.9	692.9	692.2	688.5	684.9	680.0	672.0	664.0	654.4	643.8	632.4	618.7	585.9
234	544.2	543.1	540.3	539.9	534.6	531.6	524.9	520.4	514.8	506.3	498.1	487.8	477.3	581.5
235	174.7	182.2	186.1	194.3	198.5	202.8	206.3	209.2	211.6	213.3	214.7	216.3	209.1	151.5
236	153.3	165.3	177.9	190.4	202.8	214.2	224.8	236.5	244.7	253.0	260.3	277.5	292.0	186.4
237	132.3	145.4	158.6	172.3	188.2	204.9	222.3	239.5	259.6	281.5	304.6	328.5	351.2	151.4
238	130.3	143.3	154.9	169.5	186.7	201.2	220.2	239.3	260.8	281.5	305.9	332.4	361.5	151.4
239	127.4	140.4	151.7	167.4	183.9	199.9	217.7	237.6	259.6	282.2	307.3	334.0	361.2	151.4
240	104.9	112.0	119.4	130.8	142.5	156.5	171.9	186.3	199.6	215.7	234.7	256.3	281.5	151.4
241	110.8	123.0	134.7	143.6	152.9	161.1	169.2	178.1	187.7	197.1	206.0	218.0	228.9	151.4
242	79.9	72.4	64.9	58.3	54.8	49.4	45.0	42.7	41.2	39.1	38.0	37.9	37.2	151.4
243	191.1	179.8	167.4	154.8	143.9	134.2	121.8	110.0	101.5	91.9	85.8	80.2	73.4	163.3
244	306.5	283.0	259.7	236.6	217.2	200.1	183.6	169.4	156.9	144.8	134.6	126.7	118.7	174.5
245	309.9	286.0	262.0	240.1	221.0	202.3	185.1	169.8	157.5	144.5	134.3	125.2	117.0	327.5
246	229.6	222.3	216.1	208.9	199.8	192.8	193.0	196.7	198.5	200.6	200.1	199.6	199.7	339.4
247	175.9	181.8	184.9	190.5	191.2	192.9	191.8	190.0	191.9	189.5	184.1	178.1	167.7	157.9
248	164.1	163.0	161.3	160.1	158.4	157.0	153.3	151.3	150.2	145.7	145.1	144.9	143.6	142.6
249	205.0	204.7	202.1	200.8	198.6	196.5	192.9	190.8	187.8	186.0	184.2	186.3	181.4	178.9
250	116.3	137.2	151.1	158.7	160.6	157.2	151.8	142.5	136.6	130.0	123.9	118.1	110.0	103.9
251	106.1	107.5	105.8	104.7	103.1	102.8	104.5	102.9	102.7	102.3	102.2	100.6	101.8	103.7
252	378.8	405.3	431.4	462.8	490.2	521.2	555.4	588.1	620.1	651.7	684.5	716.7	749.4	581.1

Table LXXI: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 735 P1	R: 736 P1	R: 737 P1	R: 738 P1	R: 739 P1	R: 740 P1	R: 741 P1	R: 742 P1	R: 743 P1	R: 744 P1	R: 745 P1	R: 746 P1	R: 747 P1
2	252.3	275.0	299.6	324.3	350.5	376.1	404.8	433.9	463.8	494.9	527.3	557.8	588.8
3	253.2	256.4	260.3	263.9	267.2	268.5	266.2	265.5	263.1	260.5	258.9	256.5	251.9
4	419.8	424.5	431.0	436.1	440.6	443.8	446.3	448.7	449.1	448.1	448.9	445.1	441.4
5	253.0	254.3	255.4	255.8	256.5	255.7	254.0	251.3	248.0	244.0	241.8	237.7	232.8
6	425.5	425.9	424.4	424.4	423.6	423.6	421.0	418.3	415.0	410.5	407.5	402.8	397.7
7	257.0	254.5	254.3	251.2	249.5	246.1	243.3	240.5	234.7	231.1	227.5	224.1	223.2
8	435.5	427.5	425.8	422.1	416.8	412.5	408.3	403.3	397.7	392.3	386.8	382.2	376.3
9	356.5	330.1	306.1	283.6	262.1	240.2	220.8	204.2	187.1	172.3	157.3	143.8	130.7
10	199.7	216.2	238.8	259.8	282.7	306.1	332.0	359.2	385.5	413.2	445.0	475.2	503.5
11	228.6	224.4	222.3	221.6	220.3	218.6	215.7	216.3	215.4	212.9	210.3	204.6	196.4
12	383.8	383.1	383.1	385.4	386.3	385.2	381.3	376.2	374.4	368.1	365.4	365.4	364.0
13	217.6	213.9	211.6	211.5	209.8	208.1	208.7	210.1	210.0	209.8	208.5	207.5	205.0
14	375.9	371.3	369.5	367.8	367.9	364.7	363.0	365.3	362.1	360.1	356.5	353.6	353.7
15	212.2	209.8	208.8	207.3	204.8	202.5	199.8	197.7	195.8	194.3	191.8	191.3	188.4
16	357.8	351.0	349.3	347.1	344.3	342.4	340.6	337.1	335.8	334.7	332.9	330.8	327.9
17	355.8	328.9	303.7	279.3	256.5	235.7	215.7	196.9	174.7	157.8	145.1	133.4	119.7
19	171.6	170.8	170.0	170.1	171.0	170.1	170.7	170.9	170.9	171.3	172.2	171.1	168.2
20	287.7	286.4	287.8	288.6	289.2	289.5	291.2	294.7	295.3	294.5	296.7	295.8	290.0
21	159.4	158.4	159.5	159.5	160.9	160.6	161.0	159.6	158.0	158.1	155.2	157.0	155.9
22	264.8	265.5	266.1	268.1	269.7	270.8	274.6	275.5	275.7	275.2	274.6	271.7	272.3
23	136.0	136.6	138.7	139.7	139.2	137.5	137.5	139.0	136.9	135.6	135.1	135.6	133.7
24	238.7	236.4	237.4	238.0	236.9	237.0	234.2	235.4	233.6	234.9	236.7	238.1	237.9
25	131.3	130.9	131.3	131.3	130.6	129.6	126.9	128.4	125.2	124.7	122.1	121.9	120.6
26	219.3	215.2	216.4	214.6	213.9	212.7	213.9	215.9	216.2	217.3	220.4	220.5	220.2
43	215.9	217.1	223.5	228.2	231.8	233.7	235.4	238.1	237.7	237.2	239.8	238.8	235.1
44	369.5	371.1	380.5	388.6	397.1	404.6	409.9	415.5	419.9	424.2	429.3	430.2	429.5
67	124.9	125.9	126.3	128.0	128.9	127.8	127.8	129.3	126.6	126.6	125.0	123.1	121.6
68	208.5	207.8	210.4	212.5	213.9	215.9	219.6	221.6	223.7	228.3	232.4	235.0	237.9
85	287.9	287.9	290.8	289.7	290.3	287.4	285.9	281.8	276.4	271.3	267.4	261.4	254.5
86	473.2	473.0	475.3	476.3	476.3	475.1	473.6	470.9	466.1	464.9	459.7	454.3	447.0
87	249.8	264.4	281.9	299.4	317.3	334.3	349.8	367.2	385.3	402.2	417.7	433.5	449.2
88	339.2	361.4	384.1	406.9	430.9	454.5	478.6	500.5	525.2	548.4	571.6	593.5	614.2
89	128.9	139.4	153.1	166.0	182.0	196.8	214.6	232.7	253.8	276.5	299.9	323.5	349.9
90	137.0	150.1	165.7	182.8	200.1	218.2	237.9	259.6	281.8	307.5	332.8	357.8	386.7
91	132.7	142.7	156.6	171.0	186.6	204.3	222.6	244.8	266.9	290.9	315.2	343.5	371.6
921	389.4	359.9	335.9	311.1	287.9	264.4	244.6	226.6	206.4	189.8	174.3	159.7	145.1

Table LXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α												
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 735	R: 736	R: 737	R: 738	R: 739	R: 740	R: 741	R: 742	R: 743	R: 744	R: 745	R: 746	R: 747
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	288.1	311.2	336.9	362.7	390.3	416.0	444.6	476.3	506.2	540.6	574.9	608.1	641.6
93	196.5	213.3	233.9	254.4	277.1	299.6	324.6	351.8	378.7	407.6	437.2	468.9	497.3
94	285.8	309.6	333.6	359.5	389.4	416.9	446.7	478.2	511.0	545.8	580.7	612.1	641.1
95	141.1	153.4	169.7	184.7	202.8	221.4	242.8	265.4	287.7	311.5	338.9	368.5	397.5
125	140.0	143.4	146.5	149.1	147.7	146.9	144.1	142.3	138.6	135.4	133.2	130.7	126.9
126	264.5	262.3	260.1	256.5	253.9	249.3	245.1	239.9	237.6	232.4	232.0	231.2	229.8
128	284.6	260.1	243.2	222.7	204.9	192.2	184.6	178.5	169.2	162.7	158.3	164.6	141.1
132	117.7	125.0	135.5	146.1	159.9	172.5	186.2	202.9	218.8	240.0	259.6	289.0	310.4
201	815.5	787.1	758.7	728.9	698.3	667.5	636.8	604.7	573.1	541.3	505.5	474.0	446.8
202	913.9	900.3	882.6	862.5	842.7	820.2	795.8	770.6	744.1	718.9	689.1	659.2	630.6
203	958.2	957.1	949.8	940.6	929.9	917.9	901.0	883.1	865.0	842.8	817.2	791.6	763.5
204	929.7	941.7	951.8	957.3	957.2	960.1	958.6	951.1	945.5	937.0	922.8	905.4	885.4
205	832.1	857.9	878.5	898.8	915.4	929.1	941.3	951.4	960.8	965.2	966.1	961.3	958.0
206	704.0	733.6	763.1	791.4	818.9	843.5	866.4	887.5	910.0	926.8	939.8	948.2	957.5
207	596.2	630.5	660.5	692.4	721.5	749.3	776.7	804.3	830.8	855.2	877.5	896.8	912.6
208	531.6	561.9	589.7	618.1	646.2	676.6	704.7	733.9	764.6	791.3	816.7	842.5	865.3
209	633.0	638.8	639.8	641.2	639.6	636.6	631.0	624.7	615.6	605.5	591.5	578.9	563.7
210	744.4	752.1	758.7	759.7	762.4	760.7	755.9	749.8	740.4	730.4	719.8	706.0	687.1
211	856.3	869.0	876.6	880.6	883.1	883.0	880.7	874.8	867.8	858.9	846.2	830.0	812.6
212	949.8	958.2	965.9	969.5	971.2	972.1	971.4	966.1	958.5	946.2	933.8	917.5	897.3
213	912.1	921.2	926.6	927.5	928.3	928.1	923.0	914.7	904.5	896.3	882.0	866.1	848.3
214	834.6	839.3	841.8	842.6	839.4	835.9	831.6	822.2	813.4	803.5	788.9	773.0	758.2
215	373.1	344.4	321.7	297.6	274.6	255.0	233.8	215.1	197.5	179.8	165.8	153.7	140.7
216	281.0	286.4	289.4	293.6	296.4	294.7	297.0	297.2	294.3	292.6	290.0	287.6	281.7
217	458.4	465.3	469.7	475.0	479.1	480.2	483.8	483.2	482.7	481.8	480.2	478.9	473.5
218	277.8	301.3	325.8	352.1	378.8	404.6	435.2	462.5	493.3	525.2	559.0	590.2	623.4
219	154.9	157.4	157.3	157.5	159.0	159.4	158.5	158.5	157.3	155.6	154.7	158.0	156.9
220	256.9	259.3	262.3	267.0	268.7	270.9	273.0	273.3	272.7	273.4	274.6	277.5	277.9
221	124.9	127.1	127.6	128.4	127.9	127.7	128.1	126.5	125.8	123.2	121.6	123.3	124.2
222	210.4	209.6	210.7	213.0	215.1	216.4	218.3	218.9	218.1	220.2	222.3	226.0	228.4
223	120.8	123.3	124.6	125.3	124.9	124.1	122.4	121.5	118.8	117.4	114.7	102.0	94.8
224	199.7	200.2	203.8	207.5	210.0	210.2	212.4	215.6	217.5	220.4	221.7	226.0	229.9
225	288.4	285.1	245.0	224.7	206.4	188.4	172.5	158.8	145.8	134.6	124.7	118.4	110.6
226	527.1	497.2	470.1	442.4	415.9	386.4	359.8	336.0	308.1	287.6	264.0	244.4	222.6
227	599.3	567.8	534.8	500.5	470.7	439.2	413.6	385.1	358.6	334.7	306.8	285.4	262.4
228	689.8	655.5	621.4	586.8	549.5	510.5	475.3	441.5	412.8	386.9	359.1	335.2	310.8

Table LXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 735	R: 736	R: 737	R: 738	R: 739	R: 740	R: 741	R: 742	R: 743	R: 744	R: 745	R: 746	R: 747	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	376.4	406.7	436.0	465.8	496.4	527.3	558.5	589.4	619.9	650.5	681.5	713.5	745.3	
230	149.7	164.5	180.3	198.1	216.6	236.7	257.5	280.1	305.1	329.2	357.7	386.3	414.1	
231	409.5	408.5	408.6	406.8	403.3	397.8	391.5	386.5	378.9	373.1	363.6	355.5	344.4	
232	555.6	558.5	558.6	556.4	554.3	548.4	542.4	535.7	526.1	517.0	505.3	491.9	477.5	
233	746.9	748.2	747.5	746.0	740.7	736.5	729.6	720.2	710.4	701.9	687.9	673.9	660.5	
234	604.7	604.4	601.3	597.8	594.7	587.8	581.7	575.3	565.8	562.5	552.3	541.7	530.3	
235	155.0	160.5	165.2	168.6	170.8	172.1	174.5	175.3	172.7	166.0	160.7	169.3	175.9	
236	150.8	159.4	169.8	178.4	187.3	193.4	198.7	209.2	222.8	234.3	246.9	259.9	273.7	
237	139.1	149.7	163.7	177.7	193.1	208.9	225.4	244.3	263.1	283.6	304.0	329.3	356.6	
238	137.8	149.7	163.8	178.0	195.1	212.0	230.1	251.4	273.4	296.0	320.2	347.4	375.5	
239	137.1	150.2	164.3	180.9	197.4	215.1	235.3	257.5	279.5	304.8	330.4	361.7	387.4	
240	108.4	116.4	127.0	138.1	151.1	164.8	177.6	197.2	215.2	236.3	258.6	279.7	309.7	
241	117.2	125.4	132.7	140.3	145.9	150.9	156.0	162.4	168.8	177.1	186.2	199.8	209.6	
242	71.6	65.9	61.8	56.9	53.3	48.6	42.9	41.9	39.0	36.5	33.2	35.8	36.1	
243	182.3	169.7	156.8	144.5	132.7	119.3	109.9	101.6	95.0	86.6	79.6	78.0	70.2	
244	276.2	252.7	234.2	216.4	199.4	183.1	166.9	154.3	142.3	131.0	121.9	114.8	107.8	
245	279.2	255.8	235.1	217.8	199.2	182.8	169.5	156.1	142.7	132.7	122.6	115.7	107.8	
246	185.5	181.6	177.5	171.9	165.6	162.3	164.4	166.6	164.9	166.8	166.4	169.3	167.9	
247	153.6	157.1	159.1	160.3	160.7	159.5	158.0	154.7	150.2	142.6	135.3	125.3	107.1	
248	139.9	138.3	138.9	139.2	137.7	136.2	133.1	132.9	129.1	124.6	124.8	122.8	121.3	
249	237.4	233.8	232.4	229.9	226.8	225.4	222.1	219.2	215.4	213.1	217.0	213.2	212.8	
250	88.3	105.3	123.3	136.8	142.7	144.5	138.8	130.6	120.0	111.4	105.2	96.5	87.2	
251	93.4	93.5	93.5	90.5	88.0	86.5	85.0	85.1	82.4	81.3	81.9	83.0	82.9	
252	399.8	427.7	458.8	488.3	519.2	549.7	583.6	615.0	645.7	679.7	710.0	740.0	770.7	

Table LXXII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 749	R: 750	R: 751	R: 752	R: 753	R: 754	R: 755	R: 756	R: 757	R: 758	R: 759	R: 760	R: 761	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	386.8	384.8	383.3	384.0	381.4	380.1	380.2	379.2	381.0	380.8	378.4	376.6	376.8	
3	428.9	398.6	381.4	367.7	352.6	349.4	343.8	335.0	330.2	319.1	302.0	292.0	266.2	
4	288.9	308.8	322.4	335.8	347.1	352.5	357.1	363.2	369.6	381.3	396.4	415.8	443.2	
5	416.5	381.8	365.5	353.5	338.9	333.5	328.1	320.2	315.2	304.2	289.3	276.9	255.1	
6	271.4	292.2	303.8	316.1	331.6	333.8	336.0	342.8	349.6	363.1	378.8	393.7	420.7	
7	399.8	368.9	352.4	340.5	328.0	321.7	316.2	307.7	303.5	293.5	281.9	268.5	246.6	
8	265.2	284.7	297.5	308.4	322.5	324.7	326.8	333.1	340.7	353.6	368.2	382.2	410.6	
9	243.3	243.3	243.3	243.9	240.8	239.1	239.8	239.6	239.7	243.3	241.4	239.3	239.6	
10	311.5	312.7	312.0	312.4	309.1	309.8	308.5	307.6	308.0	308.8	308.7	307.2	307.3	
11	373.3	339.8	327.9	313.6	301.3	296.3	288.0	282.6	275.9	266.6	254.1	243.8	219.5	
12	230.3	252.0	264.8	277.1	289.4	298.3	300.9	301.8	308.1	321.6	336.7	350.9	382.0	
13	357.1	323.5	312.5	298.5	287.9	281.4	274.2	269.6	262.8	252.7	241.7	232.1	209.4	
14	220.0	239.9	252.7	264.3	275.4	280.8	286.1	285.7	291.2	305.5	320.8	331.6	363.8	
15	339.6	309.1	299.4	287.4	273.6	269.7	263.7	259.8	253.8	244.4	234.6	223.3	200.8	
16	208.9	225.5	238.3	247.6	258.9	264.3	269.2	269.0	273.5	288.1	301.4	311.5	340.1	
17	240.2	237.9	239.4	237.3	236.6	234.3	235.0	232.6	232.4	233.8	238.0	234.3	235.4	
19	284.8	260.9	250.8	240.6	232.1	224.1	221.3	215.7	212.6	203.7	196.5	184.5	170.1	
20	175.6	195.4	201.3	213.0	219.9	223.3	227.8	233.7	237.9	242.1	255.9	262.6	291.1	
21	266.2	243.4	232.1	222.5	215.2	210.1	204.3	201.1	198.4	192.0	180.9	173.0	161.2	
22	161.4	178.9	190.8	196.6	204.7	209.3	214.9	218.3	221.5	233.4	242.4	248.1	272.0	
23	221.5	205.2	196.3	188.5	179.7	176.9	172.8	169.8	166.2	157.1	153.0	146.0	139.4	
24	140.7	153.4	163.0	171.3	177.6	178.4	182.4	187.1	190.8	201.1	210.1	219.4	234.2	
25	208.6	189.8	184.6	177.7	169.6	163.8	161.8	155.2	151.9	147.7	146.2	138.0	130.9	
26	129.0	137.8	146.1	154.0	160.3	164.7	167.5	169.9	170.9	180.7	190.7	196.0	213.9	
43	389.1	357.5	341.4	331.7	316.6	310.7	303.6	297.4	293.9	282.7	270.3	259.0	237.0	
44	241.2	261.9	277.8	288.3	302.5	310.6	312.6	315.0	322.1	333.5	353.3	369.8	401.9	
67	207.7	190.2	182.6	176.3	166.9	165.0	160.3	154.5	152.0	147.4	144.9	137.4	130.1	
68	130.0	139.2	146.9	155.3	164.7	166.9	170.2	172.0	173.7	184.4	192.5	201.0	216.4	
85	457.7	423.4	406.5	395.0	378.9	371.5	365.1	356.9	351.1	337.9	326.6	313.3	288.4	
86	311.9	332.9	346.5	359.5	372.6	373.6	380.7	389.3	395.1	411.8	425.6	443.1	471.6	
87	450.3	428.5	417.4	407.2	401.8	394.5	391.6	385.9	381.6	369.9	363.1	352.3	334.3	
88	351.5	371.1	378.7	389.3	395.1	396.4	402.1	404.3	407.5	419.0	427.7	436.6	454.0	
89	220.2	216.4	213.8	213.0	210.1	209.1	209.0	207.2	206.4	204.5	202.2	200.4	197.3	
90	201.5	206.4	204.4	207.7	209.9	210.5	213.5	214.4	214.4	213.6	213.1	212.9	218.1	
91	209.4	206.4	209.0	207.6	210.2	209.6	210.3	207.8	208.4	205.7	205.4	205.2	203.9	
921	267.9	267.3	267.0	265.0	264.1	263.2	264.8	262.8	264.5	264.9	264.8	266.6	265.5	

Table LXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 749 Pi	R: 750 Pi	R: 751 Pi	R: 752 Pi	R: 753 Pi	R: 754 Pi	R: 755 Pi	R: 756 Pi	R: 757 Pi	R: 758 Pi	R: 759 Pi	R: 760 Pi	R: 761 Pi
922	425.9	425.6	422.9	422.0	421.8	421.3	421.4	421.9	422.6	421.2	419.8	419.9	419.1
93	304.4	304.6	304.8	303.8	302.1	301.2	301.6	300.7	300.0	300.7	300.0	298.6	301.6
94	410.9	410.9	412.4	411.9	413.6	413.0	412.9	414.0	416.0	416.5	415.1	416.3	418.4
95	222.4	221.1	222.6	223.1	222.9	222.8	223.0	220.0	220.2	221.1	219.4	220.9	221.1
125	234.8	216.0	207.5	198.1	189.5	185.0	181.3	178.8	175.7	168.0	158.8	153.3	146.5
126	151.8	166.6	175.1	183.1	186.5	192.4	197.0	199.7	203.4	212.7	222.8	226.6	247.8
128	184.2	188.4	189.8	188.0	187.5	186.7	189.6	187.3	188.9	188.0	184.8	183.7	187.6
132	165.5	166.9	167.5	168.1	169.3	170.7	171.2	171.7	168.8	168.4	168.8	168.8	170.8
201	686.6	687.2	684.4	681.8	679.6	677.5	677.9	680.1	679.6	679.3	676.2	672.5	666.2
202	842.1	844.0	838.6	839.1	837.6	833.7	833.6	836.4	835.8	834.7	828.7	825.9	819.3
203	938.1	944.4	938.0	940.7	936.6	935.2	935.9	937.7	938.4	934.7	928.7	924.1	917.0
204	984.1	988.2	979.5	984.9	981.3	979.5	979.2	983.5	979.3	979.1	971.7	968.5	960.1
205	950.8	953.1	948.1	951.1	949.3	947.9	948.3	950.4	949.9	947.8	940.7	937.4	930.3
206	867.1	866.9	860.8	863.3	863.0	861.5	860.3	860.6	861.5	858.7	855.8	853.8	843.9
207	767.4	766.7	763.4	762.8	763.8	762.4	761.7	761.6	763.4	761.4	758.6	757.8	751.1
208	688.6	692.0	687.5	688.1	689.7	686.0	687.2	688.3	689.4	686.2	684.2	681.4	675.8
209	827.5	799.2	782.5	763.7	749.4	739.9	735.3	726.5	717.7	699.0	684.1	666.6	635.9
210	920.7	899.2	882.0	870.2	856.9	848.6	846.6	836.8	833.3	817.6	800.9	784.8	759.6
211	981.5	975.3	958.3	955.8	946.0	943.2	940.2	939.3	934.9	924.0	911.0	902.8	884.2
212	915.5	934.9	937.5	943.9	949.7	947.4	953.8	957.5	962.3	966.4	963.8	967.9	973.0
213	797.8	828.6	841.9	846.0	860.3	861.9	870.8	876.1	885.0	894.6	898.4	907.2	927.1
214	658.3	695.9	713.6	722.0	739.4	743.6	751.6	759.1	769.1	786.3	796.8	807.4	837.9
215	262.3	261.1	261.0	260.0	257.8	257.0	258.0	255.7	257.1	256.2	254.2	256.6	253.7
216	464.2	432.0	415.6	403.3	388.6	381.2	376.2	367.3	359.3	346.9	335.2	321.3	295.0
217	316.2	338.4	353.7	368.0	378.9	380.9	390.0	394.8	401.9	417.9	434.9	450.0	479.3
218	432.0	427.5	424.1	422.7	419.7	421.0	419.4	418.9	419.0	415.1	413.2	409.2	405.5
219	266.3	242.8	233.6	222.6	213.1	210.8	202.7	200.3	197.4	189.3	177.1	170.8	159.0
220	161.4	176.6	188.5	193.5	201.4	208.8	213.7	216.6	220.7	232.0	238.9	247.7	270.2
221	206.2	190.2	181.7	173.5	166.2	162.4	157.3	153.0	152.6	147.3	142.5	140.3	128.8
222	128.3	136.4	144.1	149.2	157.3	161.2	166.6	170.0	171.6	175.5	185.5	194.5	216.7
223	202.8	184.8	179.9	170.5	162.6	157.1	154.3	151.6	149.7	145.0	138.8	135.4	123.6
224	124.5	135.0	139.1	145.0	154.3	158.5	162.3	166.3	171.1	174.2	182.4	192.3	209.4
225	193.0	192.7	193.9	193.5	193.6	193.0	191.6	190.1	190.8	191.3	192.0	191.5	187.9
226	390.9	393.0	393.5	388.5	392.7	389.3	389.4	391.8	392.0	391.7	390.8	390.8	387.2
227	441.8	444.0	443.1	439.8	442.6	438.6	439.4	442.0	442.0	442.4	442.4	440.8	440.5
228	516.1	519.5	519.5	516.8	515.4	512.7	513.4	515.9	515.1	516.1	515.6	514.7	509.3

Table LXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 749	R: 750	R: 751	R: 752	R: 753	R: 754	R: 755	R: 756	R: 757	R: 758	R: 759	R: 760	R: 761
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	536.6	537.8	535.2	532.5	535.8	532.9	532.5	533.7	535.1	533.9	531.4	530.8	525.9
230	240.7	239.4	241.9	240.4	240.7	240.8	238.4	237.6	239.1	237.6	238.0	238.7	236.1
231	585.3	548.8	534.6	513.2	498.9	492.0	483.0	473.6	468.3	453.5	440.7	423.8	399.1
232	743.3	707.9	694.1	673.7	659.6	650.2	643.8	635.0	627.0	609.3	593.7	579.4	548.7
233	547.4	586.4	605.5	615.7	631.1	635.7	643.6	651.7	661.5	679.7	693.1	704.0	735.3
234	406.3	437.5	452.4	467.1	476.4	483.3	491.0	499.3	505.5	524.0	543.3	557.6	588.3
235	287.8	264.0	256.3	242.6	234.4	230.5	227.6	219.8	216.9	207.2	197.7	186.5	173.3
236	286.5	270.4	261.0	253.1	246.9	244.5	240.9	236.0	231.3	225.3	217.6	206.2	195.2
237	249.3	241.3	240.0	234.2	229.4	229.6	226.2	226.2	226.0	222.8	219.4	217.1	209.9
238	237.0	232.5	234.2	230.8	228.0	226.6	225.5	223.9	224.9	220.3	220.0	218.3	212.7
239	225.2	222.6	222.9	224.0	222.1	222.0	220.9	219.3	219.4	218.5	218.5	216.9	215.2
240	168.7	170.5	175.7	173.8	174.3	176.4	176.7	175.4	174.9	173.9	171.2	169.2	165.1
241	214.2	202.9	199.6	191.3	187.8	185.2	180.0	177.6	175.2	169.9	164.9	161.9	150.9
242	49.2	47.7	49.2	46.7	47.8	48.0	47.3	46.6	46.4	44.9	46.0	45.8	48.5
243	121.6	120.2	122.4	120.5	119.7	119.9	120.0	121.0	121.2	120.3	118.9	119.2	120.8
244	184.1	182.9	186.9	185.4	184.7	185.8	186.2	186.8	185.3	183.1	181.2	181.8	181.6
245	185.9	186.4	188.2	188.8	187.4	187.6	187.3	185.3	185.2	185.2	184.2	187.1	183.9
246	285.5	258.8	246.8	232.3	221.6	217.2	209.8	205.2	203.6	193.0	184.3	177.8	162.9
247	269.8	248.1	237.2	227.4	217.0	214.1	209.0	202.6	200.7	191.9	181.2	171.6	159.2
248	218.3	201.1	192.8	183.9	176.0	173.0	171.8	165.8	161.3	154.4	148.8	144.6	136.9
249	141.1	150.4	158.4	163.9	170.9	175.8	177.4	180.3	183.7	192.8	200.8	208.1	224.5
250	194.5	179.3	173.6	165.3	157.2	153.4	153.2	152.8	151.3	151.2	149.6	146.8	144.3
251	138.4	128.2	122.0	113.8	108.1	108.8	108.1	106.5	103.2	103.7	97.8	91.6	86.4
252	557.3	558.5	556.3	555.9	556.9	554.4	554.5	555.8	557.6	555.8	554.2	552.3	549.6

Table LXXIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 762 Pi	R: 763 Pi	R: 764 Pi	R: 765 Pi
2	441.0	441.2	440.8	436.4
3	374.4	344.2	316.2	261.2
4	332.4	356.7	389.2	452.4
5	352.1	324.4	296.8	247.2
6	307.6	329.4	361.6	422.0
7	335.9	307.5	283.4	235.1
8	295.9	317.9	347.0	405.4
9	203.6	201.9	203.0	201.0
10	362.9	362.5	361.2	357.6
11	314.3	285.0	258.4	215.5
12	269.6	296.3	319.2	379.4
13	300.1	274.5	248.1	207.6
14	258.6	285.8	307.9	366.0
15	282.0	258.3	234.3	196.0
16	242.2	266.8	284.3	340.4
17	194.6	200.6	194.2	192.3
19	242.5	221.8	201.0	168.8
20	209.9	229.7	247.5	296.4
21	227.5	205.4	187.4	158.2
22	196.6	217.0	238.4	279.4
23	191.3	173.8	154.2	135.8
24	165.1	179.9	199.8	235.4
25	175.2	158.7	143.9	124.8
26	148.5	165.9	181.8	212.4
43	341.3	310.8	284.7	233.9
44	289.2	319.5	345.3	421.4
67	177.9	161.2	147.2	125.4
68	152.5	172.0	186.1	221.6
85	391.4	360.5	329.6	277.0
86	351.7	376.8	412.5	475.5
87	451.2	432.6	409.3	365.4
88	426.5	444.8	469.1	503.7
89	254.4	249.5	243.8	232.7
90	248.0	253.3	255.9	261.2
91	250.5	252.2	247.5	245.4
921	226.3	223.1	225.1	223.4

Table LXXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 762 Pi	R: 763 Pi	R: 764 Pi	R: 765 Pi
922	482.7	480.5	481.0	476.4
93	355.9	354.8	353.0	352.8
94	473.3	476.9	480.2	480.6
95	264.4	266.3	265.3	264.7
125	192.8	174.7	157.7	139.6
126	175.0	189.6	208.4	242.5
128	161.7	161.2	159.9	181.3
132	200.0	202.9	200.1	203.3
201	616.7	612.9	612.6	602.0
202	785.6	782.8	783.3	768.7
203	901.8	900.3	899.4	882.6
204	972.5	969.5	969.1	949.5
205	969.6	969.5	966.9	952.1
206	908.1	907.8	903.7	889.0
207	819.6	821.6	817.3	806.5
208	747.7	748.9	747.5	736.5
209	752.8	719.0	684.8	620.5
210	859.2	831.9	803.8	746.1
211	945.1	928.9	913.5	873.8
212	932.1	943.0	957.6	965.5
213	834.3	856.9	884.2	916.3
214	708.3	737.6	773.9	825.1
215	221.5	218.5	217.5	213.7
216	406.4	375.0	346.0	292.5
217	364.3	389.1	424.2	487.0
218	481.3	479.2	475.5	463.8
219	226.6	204.6	187.8	156.3
220	193.5	213.6	235.8	277.4
221	177.4	158.4	147.8	124.4
222	147.9	166.0	179.4	220.6
223	174.3	155.6	143.1	119.0
224	145.1	164.1	177.8	218.3
225	163.9	161.2	160.7	157.5
226	337.1	332.5	335.4	333.0
227	382.8	379.8	383.4	384.7
228	444.1	439.7	441.4	439.1

Table LXXIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β			
	-2.0°	0.0°	2.0°	6.0°
	R: 762 Pi	R: 763 Pi	R: 764 Pi	R: 765 Pi
229	598.3	597.4	596.9	589.7
230	287.8	285.0	284.7	281.4
231	505.3	472.0	439.5	382.7
232	662.3	626.3	592.7	529.7
233	601.2	626.6	665.8	723.1
234	451.6	478.2	514.9	578.9
235	255.1	233.3	211.1	170.9
236	283.8	265.6	244.6	207.4
237	276.2	271.4	263.3	244.9
238	274.4	269.1	262.3	252.1
239	266.5	265.0	262.5	257.6
240	209.6	210.1	201.7	199.7
241	218.5	202.5	186.7	161.5
242	42.6	43.7	41.7	41.5
243	103.0	102.1	101.5	101.8
244	158.2	158.5	154.8	154.8
245	158.4	159.6	156.4	153.5
246	240.0	218.5	198.2	163.4
247	230.5	208.7	190.4	152.8
248	181.2	164.9	149.7	129.8
249	157.6	171.2	187.5	220.0
250	156.5	143.3	136.0	128.1
251	116.8	109.0	101.4	83.1
252	622.9	624.4	622.1	614.5

Table LXXIV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 767	R: 768	R: 769	R: 770	R: 771	R: 772	R: 773	R: 774	R: 775	R: 776	R: 777	R: 778	R: 779	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	257.8	256.9	257.8	255.0	253.8	254.1	252.9	252.2	251.4	253.0	254.4	253.3	254.0	
3	407.7	378.5	362.0	349.4	336.4	330.7	322.3	315.8	313.1	300.5	287.8	277.4	254.0	
4	270.4	291.5	306.0	315.5	329.2	334.1	335.1	342.7	348.7	361.2	376.4	393.3	419.5	
5	416.9	383.6	368.1	353.9	339.5	333.5	327.2	319.9	314.5	301.6	289.2	278.7	253.4	
6	269.7	290.3	306.2	314.5	330.5	334.9	336.6	342.8	350.5	364.4	379.7	396.3	424.8	
7	421.7	388.0	374.2	359.0	345.3	339.3	332.6	325.4	318.8	307.9	293.3	282.9	257.2	
8	276.3	297.6	312.9	322.3	337.2	341.3	344.4	351.8	358.0	371.2	386.5	403.6	433.7	
9	363.6	362.6	363.7	361.2	360.1	359.6	359.0	359.2	358.8	361.7	359.5	355.6	356.6	
10	202.8	204.0	203.8	201.9	200.9	199.4	200.1	199.5	198.4	198.8	200.7	200.2	201.8	
11	382.2	347.8	336.1	321.9	310.4	301.9	295.6	290.3	283.7	272.1	260.4	252.0	227.8	
12	237.9	257.4	269.5	279.7	293.3	300.1	306.3	308.7	313.5	327.2	340.2	354.0	383.4	
13	369.7	334.8	323.0	308.5	296.6	288.8	283.5	277.2	271.2	260.6	249.3	240.5	218.6	
14	227.7	249.1	259.1	270.8	282.7	289.5	296.7	300.9	301.5	317.4	328.6	343.4	375.0	
15	357.0	326.5	314.3	301.1	287.6	280.2	276.0	271.1	264.5	253.2	242.7	233.9	211.5	
16	219.1	236.5	247.9	257.2	268.5	273.7	280.4	285.3	285.9	300.2	312.7	326.0	356.6	
17	362.7	367.4	369.4	369.1	367.5	366.2	367.0	368.8	366.4	368.4	365.9	360.9	354.5	
19	285.8	262.9	250.9	238.1	229.9	224.5	219.6	216.9	208.6	202.7	194.0	183.1	171.1	
20	173.8	193.3	201.8	206.9	217.1	221.0	225.1	231.0	235.3	242.2	253.5	261.3	288.5	
21	263.3	240.8	230.9	219.4	213.9	206.6	201.0	199.8	193.2	185.4	174.4	169.6	159.4	
22	158.4	174.9	183.7	193.2	198.6	205.1	210.0	213.9	216.0	228.7	237.7	244.0	264.4	
23	225.7	206.2	197.6	189.6	181.1	175.7	172.8	168.8	165.2	157.7	150.8	147.1	136.2	
24	145.2	153.7	162.6	169.5	180.4	182.4	184.4	191.0	194.1	203.6	212.4	222.2	239.2	
25	213.7	197.5	186.9	178.0	172.1	167.0	162.5	159.4	155.0	149.4	144.6	141.0	131.3	
26	130.5	140.3	146.7	151.4	161.4	165.4	170.6	174.6	174.0	186.3	193.9	201.4	220.4	
43	358.0	326.5	315.4	299.2	289.3	281.8	276.2	271.9	265.5	255.1	245.2	236.6	214.8	
44	222.6	240.8	253.5	262.4	275.9	282.0	288.5	291.1	293.8	308.5	322.5	336.7	367.2	
67	199.7	184.9	175.4	167.9	163.0	157.9	153.0	148.9	145.3	142.8	138.9	135.2	124.5	
68	125.9	134.3	140.4	145.8	154.5	158.3	162.2	166.2	166.1	176.1	185.1	191.3	208.5	
85	457.0	423.8	407.0	394.7	379.5	370.8	365.6	356.9	349.7	339.7	323.4	314.2	287.1	
86	311.2	332.6	345.9	358.8	373.9	374.3	381.9	390.0	394.2	411.0	426.6	443.8	472.2	
87	339.5	323.2	315.3	305.4	299.0	296.1	292.2	288.2	284.1	278.2	271.1	263.7	251.0	
88	265.7	274.8	280.2	287.8	295.0	291.4	296.5	302.1	302.9	309.9	317.8	325.6	338.7	
89	140.6	139.6	137.9	137.3	137.4	134.9	133.8	133.3	132.1	132.7	132.9	129.5	129.4	
90	130.3	133.8	133.0	131.9	135.6	134.9	136.8	137.5	138.4	138.1	138.5	136.6	138.8	
91	134.8	132.5	133.4	133.4	134.9	133.8	135.9	136.0	134.6	133.0	133.4	131.9	133.2	
921	394.3	394.1	394.0	393.2	391.8	390.9	392.8	390.7	392.3	392.1	391.3	391.9	388.2	

Table LXXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 767	R: 768	R: 769	R: 770	R: 771	R: 772	R: 773	R: 774	R: 775	R: 776	R: 777	R: 778	R: 779	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	293.4	291.4	293.0	292.7	289.6	286.8	289.2	289.0	288.2	288.5	289.9	290.6	289.3	
93	198.9	198.5	198.0	195.9	194.2	193.5	194.6	193.9	194.1	194.0	196.4	195.2	195.6	
94	280.3	280.2	281.0	280.4	279.6	279.0	279.9	279.7	279.3	283.1	284.4	284.1	284.9	
95	143.1	141.0	140.2	142.4	143.0	143.5	143.6	141.9	141.5	142.0	142.8	142.1	142.4	
125	249.8	226.9	216.5	206.6	194.1	189.2	184.9	181.9	178.4	167.6	159.7	151.6	139.4	
126	150.8	165.1	175.2	187.0	191.8	197.5	202.8	208.4	213.9	222.5	233.9	241.3	265.2	
128	286.2	291.7	292.9	289.4	290.2	291.0	290.2	289.4	288.3	287.9	289.2	282.2	283.3	
132	114.4	115.8	116.4	116.2	118.1	118.3	117.8	119.5	118.1	118.8	118.7	118.2	118.1	
201	837.8	839.6	840.0	834.5	833.1	832.9	834.7	834.8	834.9	831.5	825.6	821.5	814.1	
202	939.3	944.4	942.0	940.8	936.5	937.6	937.1	938.3	938.6	932.9	926.9	924.0	914.9	
203	979.5	986.7	982.3	982.4	980.2	981.0	980.0	979.2	980.9	976.0	971.2	968.0	957.5	
204	953.2	956.0	955.0	954.0	951.4	953.2	948.5	949.1	951.9	947.4	943.5	941.4	928.5	
205	852.2	852.9	852.1	850.9	849.3	847.9	846.5	849.1	850.3	846.3	844.6	840.8	834.1	
206	718.7	720.2	718.7	718.4	714.8	715.1	714.1	714.8	716.0	712.9	710.7	707.6	705.4	
207	605.1	606.2	606.9	605.7	605.2	602.2	603.3	605.4	606.3	603.5	603.6	600.8	597.1	
208	542.3	542.7	541.6	541.5	539.5	539.7	539.6	541.7	542.7	538.5	537.3	537.1	533.8	
209	831.9	799.1	779.0	765.1	750.9	740.9	733.9	725.8	714.3	697.7	683.1	665.6	634.3	
210	910.5	886.2	868.4	857.6	843.2	837.8	831.0	824.6	816.6	801.8	789.7	773.4	744.1	
211	957.2	947.5	935.0	930.4	924.5	919.6	913.7	911.9	908.2	899.0	888.2	880.1	857.1	
212	886.5	904.9	913.3	912.7	920.2	923.2	925.3	929.1	931.7	934.7	939.5	945.7	947.4	
213	780.0	811.0	825.0	828.4	842.1	849.4	854.3	858.9	864.8	876.1	886.1	896.4	912.5	
214	652.1	690.9	708.9	718.7	734.9	742.4	752.5	756.9	764.6	781.9	797.7	809.8	834.3	
215	387.4	385.4	384.8	381.1	379.7	378.8	379.7	379.0	379.1	378.9	377.0	376.5	372.6	
216	443.7	412.5	396.6	382.1	368.4	360.9	356.2	347.7	340.9	331.4	317.0	306.2	280.9	
217	300.8	324.7	336.6	349.3	363.1	363.5	370.1	378.8	381.7	397.5	413.2	430.4	458.1	
218	296.7	291.9	293.9	289.9	286.7	286.9	284.5	284.5	283.3	284.0	282.9	282.9	280.3	
219	254.3	232.9	223.3	213.8	207.3	200.4	195.4	193.7	187.8	181.3	170.5	165.9	157.2	
220	156.9	170.8	180.3	188.5	193.4	199.9	203.9	208.7	210.7	221.8	231.3	235.9	256.7	
221	205.0	184.9	179.5	171.7	162.4	158.4	153.2	153.7	149.9	146.3	142.1	135.7	127.0	
222	126.8	134.1	140.5	145.0	152.4	158.4	159.8	165.5	168.8	174.5	184.3	193.3	210.8	
223	195.5	178.1	172.4	163.9	154.2	151.2	148.6	148.4	143.4	141.1	137.3	130.6	123.9	
224	122.0	130.9	134.7	138.7	145.4	151.0	154.0	157.3	161.6	169.1	174.3	183.5	200.8	
225	293.0	293.5	294.1	294.1	294.2	292.8	292.1	291.5	292.0	291.4	292.7	292.6	289.6	
226	533.6	537.2	536.8	533.0	534.3	533.5	536.0	535.4	533.5	532.8	534.4	531.6	527.0	
227	609.0	611.5	611.7	611.0	608.7	608.6	610.3	609.0	608.6	607.8	607.6	604.1	598.9	
228	702.6	706.7	707.6	705.5	703.5	700.3	703.6	703.0	703.2	701.5	698.8	695.6	690.5	

Table LXXIV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 767	R: 768	R: 769	R: 770	R: 771	R: 772	R: 773	R: 774	R: 775	R: 776	R: 777	R: 778	R: 779	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	383.2	382.2	383.5	381.9	380.8	377.8	380.4	380.4	380.7	380.4	380.5	378.3	377.7	
230	154.5	152.5	154.7	152.5	153.1	152.4	151.9	151.8	150.6	151.8	152.4	152.4	151.2	
231	606.4	567.1	550.6	530.8	514.9	506.8	497.2	489.2	481.2	467.1	452.4	435.4	411.0	
232	755.8	721.6	705.0	685.8	670.2	662.6	653.6	646.2	636.2	618.0	606.2	584.0	557.0	
233	559.0	593.4	612.8	626.3	641.0	647.9	657.3	664.5	671.3	689.8	707.7	718.8	744.6	
234	425.9	453.6	467.4	483.2	492.8	498.8	509.8	515.6	524.1	541.1	559.2	573.4	604.1	
235	245.6	225.3	218.7	210.2	201.7	198.7	192.8	191.4	186.3	181.8	171.0	164.6	157.0	
236	203.2	191.4	187.5	180.9	176.7	176.5	173.3	171.1	168.3	165.3	161.3	156.1	151.3	
237	159.6	157.3	156.4	151.5	149.1	148.2	148.1	146.8	145.6	145.6	144.5	140.8	140.5	
238	151.5	147.2	148.9	146.0	144.1	142.7	142.0	143.2	142.9	143.0	142.6	141.5	139.8	
239	143.9	140.8	142.5	142.6	142.2	142.9	140.3	140.4	140.1	140.6	140.3	140.0	138.7	
240	109.7	111.0	112.0	110.4	110.9	113.0	112.1	113.0	112.1	112.5	110.5	109.3	109.6	
241	129.4	129.4	129.1	125.0	122.8	121.3	120.8	121.3	121.8	122.7	121.3	122.5	119.1	
242	75.5	74.5	74.9	72.6	73.2	72.5	71.9	72.3	70.6	73.1	73.2	73.4	74.0	
243	179.4	178.9	181.9	178.9	177.7	180.3	179.2	178.6	177.9	179.1	178.5	179.5	183.6	
244	280.8	283.0	284.3	282.9	283.7	284.1	284.3	285.3	284.6	280.7	279.0	275.8	275.6	
245	285.3	288.9	289.8	289.9	290.9	291.1	290.7	288.0	286.0	285.2	282.4	282.0	279.4	
246	298.6	278.7	269.6	259.3	250.5	245.3	240.9	237.0	230.5	222.8	214.6	202.4	186.9	
247	250.3	230.3	220.3	212.6	205.1	199.1	195.4	191.5	187.7	181.9	172.6	166.6	154.4	
248	235.2	214.9	206.4	194.4	187.1	183.9	179.7	175.6	170.9	163.6	157.8	151.3	140.2	
249	146.1	154.1	161.4	169.6	181.4	184.1	185.4	191.4	194.6	203.3	213.1	221.4	237.2	
250	225.6	203.1	196.5	185.4	172.6	167.7	161.1	156.8	151.1	137.7	127.4	115.3	88.4	
251	140.4	128.6	123.3	117.7	115.6	112.1	113.0	111.3	110.7	108.4	105.8	99.9	94.3	
252	408.7	407.4	409.3	405.6	404.9	403.4	405.3	405.0	405.0	402.4	402.7	402.4	400.6	

Table LXXV: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°
	R. 170 Pi	R. 160 Pi	R. 161 Pi	R. 162 Pi	R. 163 Pi	R. 164 Pi	R. 171 Pi	R. 165 Pi	R. 166 Pi	R. 167 Pi	R. 168 Pi	R. 169 Pi
2	244.5	244.9	246.1	245.0	245.7	246.1	246.8	247.1	245.5	246.1	247.6	248.0
3	401.2	372.3	358.4	343.1	332.3	326.2	321.7	319.4	313.8	300.6	286.5	276.3
4	252.6	273.0	284.4	297.8	310.5	315.2	321.9	328.3	333.7	346.4	359.6	373.2
5	409.3	378.5	364.6	348.9	337.5	330.6	326.5	322.4	316.5	304.4	289.4	278.0
6	252.0	273.0	285.0	298.0	310.6	316.8	323.2	330.4	336.8	348.7	362.2	376.9
7	415.6	386.0	369.9	354.1	342.9	335.8	332.1	329.1	321.3	308.8	294.4	282.6
8	257.9	280.5	291.5	305.4	316.2	322.8	328.8	337.4	343.3	355.0	369.5	384.2
9	351.1	351.3	351.6	350.8	350.9	351.2	350.4	351.3	351.0	352.1	352.7	352.9
10	194.1	192.7	194.2	194.0	194.3	195.2	194.4	195.0	195.8	195.9	195.9	194.8
11	375.7	345.3	329.6	318.2	307.0	303.5	298.9	292.2	284.6	272.7	261.1	249.9
12	221.9	243.3	253.1	263.7	278.3	282.6	287.9	295.5	300.0	313.9	327.1	337.9
13	364.1	333.0	318.5	306.6	295.0	291.4	285.8	279.2	272.3	260.0	249.2	239.2
14	212.1	233.1	242.8	253.1	267.2	272.0	278.7	284.5	289.6	303.9	316.1	328.1
15	353.3	323.9	308.3	298.0	287.3	283.5	280.2	272.9	266.3	255.9	244.3	234.7
16	202.6	223.0	231.9	241.4	256.2	259.6	263.8	271.6	275.5	288.8	299.3	311.7
17	348.6	353.8	357.4	357.2	357.3	357.0	355.6	357.1	356.7	359.9	359.9	358.5
19	281.3	260.7	249.9	239.6	232.1	226.5	222.1	218.4	210.6	202.2	195.5	187.2
20	165.3	177.3	186.0	192.7	201.9	207.0	212.1	217.5	221.4	231.4	240.6	251.4
21	259.2	239.1	233.9	222.2	214.6	208.0	202.4	199.2	194.2	190.8	180.1	170.5
22	154.4	166.0	170.3	177.8	187.4	191.7	194.6	199.5	204.7	213.6	223.5	233.2
23	223.3	207.6	199.0	188.9	180.5	176.1	173.3	170.0	167.6	159.9	151.4	143.5
24	128.6	137.0	144.0	147.0	154.4	159.7	164.3	166.4	169.4	177.2	188.4	194.3
25	214.9	197.8	187.9	179.8	171.8	171.0	167.4	163.2	158.1	150.1	142.7	134.6
26	124.9	135.6	139.3	145.2	150.3	153.9	157.3	161.6	166.5	172.9	180.9	190.4
43	353.0	323.8	307.2	297.4	285.9	282.5	278.0	272.8	265.6	255.9	244.5	234.5
44	206.3	227.9	237.2	246.3	260.1	264.3	271.0	276.8	281.7	296.6	309.5	319.9
67	200.8	186.0	176.5	167.9	161.4	162.3	157.4	153.9	149.4	141.1	134.4	127.8
68	121.4	131.3	133.6	140.3	142.9	147.6	150.2	154.5	158.9	165.5	171.6	181.3
85	449.5	418.8	404.2	383.4	374.2	367.8	361.1	357.8	352.9	339.4	326.3	313.5
86	287.3	307.8	317.7	330.2	339.4	345.0	349.7	356.8	362.7	370.7	382.0	394.8
87	331.8	314.9	307.3	297.9	294.2	291.5	286.6	284.8	282.1	275.3	268.9	262.6
88	245.9	260.9	265.5	273.0	278.4	281.0	284.8	288.8	293.0	298.8	304.4	311.2
89	132.9	132.6	131.7	133.7	133.4	133.6	132.1	132.0	130.1	128.9	128.4	129.0
90	125.0	125.5	127.5	128.2	128.6	128.9	129.4	131.9	132.4	133.0	133.4	133.7
91	126.3	126.9	127.2	126.3	128.1	129.9	130.0	130.2	129.4	128.8	128.8	127.8
921	381.9	381.4	381.2	380.6	381.1	383.0	381.5	382.3	383.0	385.0	385.9	384.7

Table LXXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Orifice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°
	R: 170 Pi	R: 160 Pi	R: 161 Pi	R: 162 Pi	R: 163 Pi	R: 164 Pi	R: 171 Pi	R: 165 Pi	R: 166 Pi	R: 167 Pi	R: 168 Pi	R: 169 Pi
922	280.7	280.0	282.2	279.5	278.1	281.3	280.7	281.5	280.6	277.7	282.0	283.2
93	188.4	187.1	189.0	187.7	189.1	189.4	189.8	189.6	190.3	190.3	190.0	190.1
94	264.7	268.4	269.7	268.6	270.4	270.9	272.1	273.9	273.2	272.9	274.8	277.1
95	132.2	135.4	135.3	135.1	136.1	136.7	137.6	138.7	138.6	138.2	137.5	137.0
125	246.3	225.5	217.8	205.0	196.2	191.5	187.2	182.6	177.9	172.6	161.3	151.3
126	142.5	154.3	161.8	169.5	180.8	186.4	188.4	194.1	198.7	209.7	217.7	227.3
128	277.7	277.3	280.5	281.1	278.4	278.3	278.2	278.9	278.7	278.9	278.7	277.8
132	110.6	112.1	112.7	112.2	112.3	113.3	113.6	114.1	113.4	113.0	112.7	111.1
201	805.7	808.3	812.5	810.5	811.6	813.8	808.9	809.3	813.1	811.8	815.3	813.0
202	902.9	908.3	914.1	910.6	914.6	912.4	909.8	908.0	911.6	911.4	916.2	913.4
203	942.1	948.5	952.6	953.2	955.7	958.0	949.4	948.4	951.9	950.3	956.2	953.8
204	915.6	920.5	924.9	926.0	927.7	926.0	919.0	919.8	921.4	921.9	928.5	924.5
205	816.4	820.2	824.9	823.6	824.6	825.0	818.8	818.8	820.8	822.5	826.7	825.8
206	691.5	693.3	696.7	694.6	694.4	696.1	690.5	690.1	691.2	692.3	696.3	695.7
207	582.3	585.0	588.9	584.0	586.2	586.9	583.6	583.5	584.8	587.0	589.8	589.2
208	522.0	521.2	525.4	521.4	523.4	525.2	520.9	520.9	521.9	521.8	526.2	525.2
209	808.4	779.5	766.7	752.4	733.0	724.3	716.1	712.5	703.1	693.3	682.2	665.3
210	880.8	859.9	849.6	839.1	826.2	816.0	808.4	803.9	800.0	790.0	784.2	767.8
211	926.3	915.9	912.8	906.3	900.1	897.2	886.0	886.6	883.5	877.8	879.2	868.0
212	851.7	867.5	875.1	882.6	893.7	897.9	895.7	896.0	901.5	907.3	919.1	924.8
213	752.1	775.0	788.8	797.7	815.4	821.0	824.7	827.5	834.0	845.9	859.6	873.5
214	626.1	655.4	674.5	686.8	706.5	717.6	724.8	729.3	733.9	752.6	767.8	787.1
215	375.3	372.3	372.4	371.7	371.0	371.7	370.2	370.1	370.6	372.1	371.9	370.9
216	436.4	407.6	392.1	372.4	364.0	358.7	351.2	347.7	344.0	331.0	318.1	306.9
217	280.4	304.9	315.8	331.1	341.0	348.7	353.5	361.6	368.2	380.9	394.0	411.1
218	283.2	282.4	281.0	279.2	278.3	280.0	280.0	279.1	277.3	276.7	277.1	276.6
219	248.1	229.1	224.4	214.8	206.1	201.0	196.2	192.5	188.5	184.6	174.9	166.5
220	153.4	163.5	168.5	175.3	184.7	187.7	191.6	195.8	201.1	209.6	219.9	228.5
221	205.2	187.9	179.2	171.5	166.8	163.8	159.1	154.9	150.5	143.0	135.3	132.2
222	119.7	130.4	135.6	139.4	146.3	146.5	149.6	152.8	156.1	166.4	172.7	179.8
223	196.4	178.2	171.5	164.6	160.1	155.7	151.9	147.9	143.6	137.6	130.5	128.5
224	117.2	126.9	131.5	134.7	139.8	143.7	143.3	146.1	150.4	157.7	164.6	172.0
225	281.8	283.2	283.4	283.2	282.7	283.1	283.6	285.5	285.7	286.6	285.4	286.5
226	517.9	517.9	521.6	518.6	518.8	521.8	519.3	520.5	521.2	523.1	525.6	523.2
227	589.6	591.8	594.1	592.1	593.2	596.5	592.4	593.9	593.1	595.8	600.0	598.8
228	679.4	681.1	685.3	682.7	683.8	687.3	681.8	683.4	685.0	686.5	689.5	688.4

Table LXXV: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Orifice ID	Nominal β											
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°
	R: 170 Pi	R: 160 Pi	R: 161 Pi	R: 162 Pi	R: 163 Pi	R: 164 Pi	R: 171 Pi	R: 165 Pi	R: 166 Pi	R: 167 Pi	R: 168 Pi	R: 169 Pi
229	364.5	366.9	369.7	364.4	364.4	369.4	366.8	366.5	367.0	368.2	370.5	369.9
230	145.2	147.9	148.6	147.7	147.6	147.9	148.5	149.0	149.3	148.9	148.2	148.2
231	591.6	555.7	540.5	519.4	499.9	495.2	487.8	479.3	473.4	463.3	449.7	432.5
232	735.5	705.5	695.0	674.4	655.7	649.9	642.1	636.3	627.3	617.9	604.9	587.7
233	536.6	562.6	585.7	596.6	613.8	626.8	632.6	640.4	646.0	661.3	679.9	696.5
234	403.7	425.9	445.5	455.0	471.4	482.2	488.8	497.2	502.4	517.0	537.5	552.9
235	243.4	226.4	218.1	211.2	202.5	200.0	195.0	190.1	186.6	179.7	176.9	168.2
236	199.6	189.0	183.9	181.6	176.4	175.7	172.4	168.9	166.6	162.8	161.7	156.5
237	154.1	151.1	150.1	149.0	149.0	148.6	147.5	146.1	144.7	143.8	142.1	143.0
238	146.5	143.0	142.8	140.6	142.1	142.5	142.4	142.5	141.8	140.1	139.7	140.3
239	135.1	136.8	136.0	136.6	136.6	138.2	139.5	138.8	139.1	138.4	137.2	136.9
240	105.0	106.8	107.7	108.2	107.7	108.2	108.7	109.9	113.1	114.1	111.7	107.7
241	127.4	125.8	126.5	123.5	123.6	123.0	121.5	120.6	120.3	118.6	115.9	115.4
242	72.4	71.8	71.7	70.3	69.5	70.2	70.1	70.2	70.9	69.1	69.8	70.6
243	175.3	172.9	173.6	173.0	173.3	173.7	174.2	173.6	172.9	173.3	174.4	174.6
244	273.1	272.2	273.4	271.5	273.8	274.8	274.1	275.1	274.9	275.4	275.1	275.9
245	274.5	278.2	278.7	279.3	279.8	280.3	280.7	280.8	280.4	280.0	279.8	278.6
246	295.7	274.8	268.0	258.5	253.4	248.2	242.7	239.2	233.9	224.7	215.7	209.7
247	247.5	229.6	223.2	214.2	205.6	201.6	196.1	191.9	187.7	180.4	175.2	166.3
248	231.4	214.7	206.2	195.8	187.7	183.1	179.0	178.8	174.7	164.1	156.0	148.1
249	136.3	146.2	152.0	157.6	165.1	169.6	174.5	180.3	181.3	190.7	201.0	208.8
250	226.5	208.3	199.9	188.6	181.0	174.3	167.7	161.5	153.5	139.3	125.2	111.7
251	140.0	128.1	126.0	119.4	114.0	111.7	109.3	107.8	104.8	101.9	99.1	96.2
252	388.7	392.5	393.6	390.7	391.1	394.4	390.3	390.3	389.4	391.0	393.2	392.5

Table LXXVI: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 42 Pi	R: 43 Pi	R: 44 Pi	R: 45 Pi	R: 46 Pi	R: 47 Pi	R: 48 Pi	R: 49 Pi	R: 50 Pi
2	242.8	243.5	243.1	244.1	243.0	243.1	243.8	243.4	242.2
3	351.3	344.6	332.4	319.8	307.1	295.2	283.8	272.7	252.5
4	296.3	303.1	314.6	325.3	338.3	350.8	364.0	376.6	403.3
5	355.9	349.8	336.3	322.8	310.3	298.2	286.6	274.5	252.8
6	298.5	303.1	316.1	328.6	341.4	354.5	367.7	382.0	409.7
7	361.4	355.4	341.8	328.3	315.4	303.0	291.1	279.1	257.2
8	305.5	309.1	322.7	335.5	347.9	361.5	375.1	390.3	418.1
9	353.5	354.1	354.6	353.7	353.4	352.2	352.1	351.3	350.9
10	191.8	191.7	192.2	192.6	191.4	191.5	192.0	191.1	191.0
11	324.5	317.5	306.3	293.1	280.8	268.9	258.2	246.6	226.3
12	264.8	269.8	282.2	294.4	305.9	319.3	332.5	344.0	371.7
13	312.2	305.0	293.2	280.7	268.3	256.5	245.8	235.5	214.7
14	255.3	260.3	272.7	284.3	296.2	308.6	321.6	335.9	361.8
15	304.0	296.8	285.9	273.7	261.2	250.9	240.7	230.1	210.7
16	243.3	248.1	259.9	270.7	281.4	293.5	305.9	318.2	343.7
17	360.3	361.7	362.1	361.3	362.4	361.1	360.0	357.0	351.1
19	242.4	236.8	226.9	216.7	207.4	197.6	190.4	181.9	167.1
20	193.2	197.4	207.4	215.2	224.5	234.2	244.5	254.3	276.5
21	223.9	218.0	209.5	200.0	191.0	182.9	175.9	168.4	154.7
22	177.6	181.7	190.7	198.7	206.7	216.5	225.6	235.5	257.7
23	189.1	185.7	178.1	170.2	162.0	154.0	148.0	141.7	130.6
24	148.7	151.8	159.3	166.2	172.8	180.1	189.1	197.4	215.3
25	181.5	178.0	170.2	162.7	155.3	148.3	142.4	136.1	125.0
26	146.8	149.3	156.6	163.5	169.4	177.3	185.9	194.3	212.4
43	302.5	296.1	284.4	272.5	261.2	250.9	240.7	231.0	212.1
44	246.9	251.6	263.9	275.8	288.6	301.3	314.9	327.5	355.0
67	169.4	165.8	159.7	152.4	145.1	138.6	133.5	127.9	118.6
68	139.7	142.0	148.6	155.2	161.5	168.3	176.5	184.4	200.6
85	395.1	386.7	373.6	359.8	346.5	333.5	321.4	308.8	285.3
86	326.2	332.2	341.3	351.6	362.3	374.2	385.2	394.5	416.7
87	300.4	297.6	291.3	284.8	277.1	270.3	264.5	257.7	244.3
88	271.0	273.3	280.9	287.1	292.7	299.8	306.6	313.1	325.4
89	130.3	130.5	130.0	128.9	126.8	125.4	126.1	124.9	123.2
90	126.8	127.5	128.4	129.9	130.3	130.0	131.3	131.5	132.5
91	126.8	127.5	127.5	127.9	127.3	126.3	126.9	126.6	126.6
921	384.9	386.6	386.8	386.6	386.9	386.2	385.7	385.4	383.4

Table LXXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β									
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 42	R: 43	R: 44	R: 45	R: 46	R: 47	R: 48	R: 49	R: 50	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	277.1	277.3	278.0	278.3	279.3	278.9	278.7	277.5	277.6	
93	186.6	186.3	186.5	187.0	186.0	185.6	186.6	186.1	185.2	
94	267.5	267.4	269.4	271.1	271.5	272.3	274.2	274.8	276.1	
95	135.9	135.9	136.2	136.6	136.4	135.7	136.3	135.8	136.0	
125	207.1	202.7	192.5	183.4	174.1	165.0	158.0	149.7	134.8	
126	170.9	176.5	184.6	193.2	202.4	211.1	222.0	232.9	254.2	
128	287.5	286.9	285.1	284.6	283.0	283.0	285.4	282.7	280.2	
132	115.7	116.4	116.5	116.7	115.5	114.5	114.3	113.5	110.7	
201	811.8	813.1	813.3	811.9	812.3	810.5	807.1	807.0	798.7	
202	909.5	909.6	910.8	910.6	909.5	907.8	905.4	902.2	895.2	
203	948.8	948.5	951.0	949.8	949.4	946.8	944.8	942.4	934.6	
204	919.1	918.4	919.5	919.3	919.5	916.8	915.3	912.3	906.3	
205	816.1	817.3	819.3	819.9	819.1	817.6	816.3	813.0	807.8	
206	689.9	689.1	690.7	691.3	690.2	688.2	687.0	684.0	680.1	
207	581.6	582.4	582.8	583.3	583.8	583.7	581.0	580.7	575.7	
208	518.6	519.0	519.6	521.0	520.0	520.2	519.0	517.2	514.2	
209	749.4	743.5	728.4	714.0	700.2	683.5	667.2	651.6	619.1	
210	834.9	831.5	819.3	806.8	795.1	783.4	768.8	754.8	725.9	
211	900.3	898.1	893.0	886.3	879.3	871.7	863.2	854.2	835.2	
212	876.8	880.9	887.8	895.0	901.1	906.3	911.3	914.3	919.5	
213	796.4	801.2	813.6	825.1	835.8	846.2	856.9	864.8	882.3	
214	686.0	693.6	708.7	725.4	739.7	753.6	768.7	781.7	807.2	
215	374.7	375.8	375.9	373.8	373.6	372.8	371.4	371.2	368.0	
216	383.4	376.7	362.8	350.0	337.4	324.8	312.6	301.4	280.0	
217	328.5	332.8	347.1	359.8	372.3	385.6	398.9	413.8	441.1	
218	277.6	277.4	277.5	277.6	276.6	275.4	274.5	272.6	271.0	
219	215.6	210.8	202.5	194.1	185.9	178.1	170.3	163.2	151.0	
220	175.2	178.9	187.1	195.1	202.9	211.1	220.4	230.0	250.4	
221	173.8	170.1	162.8	156.3	148.7	142.3	136.7	131.6	122.3	
222	138.9	142.8	149.1	155.5	161.4	168.3	175.8	183.4	200.2	
223	165.9	162.4	156.0	149.5	142.8	136.3	131.2	126.2	118.1	
224	133.1	135.8	141.3	148.1	153.6	160.5	167.0	174.8	191.2	
225	291.2	290.7	291.7	290.4	288.2	288.7	287.9	287.5	284.5	
226	523.9	524.5	524.8	524.8	524.0	523.5	521.9	520.0	518.5	
227	596.7	599.0	599.0	598.6	598.1	597.1	596.3	594.5	590.5	
228	688.0	688.4	689.2	688.1	688.5	686.1	685.4	682.6	678.4	

Table LXXVI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 42 Pi	R: 43 Pi	R: 44 Pi	R: 45 Pi	R: 46 Pi	R: 47 Pi	R: 48 Pi	R: 49 Pi	R: 50 Pi
229	364.3	365.1	363.9	363.6	363.3	362.7	361.7	361.3	359.6
230	149.1	149.1	149.5	149.5	148.4	147.9	147.7	147.2	147.2
231	524.7	517.6	500.1	485.3	470.2	454.6	440.6	424.3	399.8
232	675.6	668.8	653.7	639.9	623.8	608.4	591.4	575.0	545.1
233	593.9	602.9	620.1	635.9	650.5	665.8	680.1	694.6	723.5
234	454.6	462.0	477.2	492.2	508.4	524.0	539.1	554.0	585.7
235	210.5	207.1	199.0	191.5	183.9	176.3	170.3	163.9	152.9
236	179.1	176.9	172.0	168.5	163.7	159.4	155.7	152.0	145.1
237	150.2	149.1	147.3	145.9	143.1	142.1	141.0	139.1	135.6
238	143.2	141.6	140.6	141.1	140.1	139.1	138.9	137.8	136.3
239	136.4	136.0	137.0	137.2	136.8	136.3	136.0	135.7	134.9
240	107.2	106.7	107.1	108.6	111.9	111.1	107.0	105.4	104.5
241	122.9	121.8	119.1	118.0	115.9	115.7	114.6	114.4	112.7
242	72.2	71.6	71.7	71.8	70.1	69.3	70.5	71.2	71.8
243	176.6	176.0	176.0	176.9	175.3	175.5	175.8	175.6	178.6
244	282.1	282.1	282.0	281.8	280.8	279.5	278.6	276.6	275.0
245	286.1	287.7	288.3	287.5	287.2	285.0	284.1	282.1	279.2
246	261.6	258.6	249.9	240.3	231.2	221.7	212.3	203.3	187.3
247	214.5	211.5	202.6	194.6	186.1	177.5	170.8	163.9	150.7
248	198.7	194.2	184.9	177.1	169.0	161.8	155.4	147.9	134.3
249	160.5	164.2	171.6	179.5	186.5	194.7	204.0	213.5	233.3
250	189.7	185.7	173.5	160.3	145.8	130.5	118.2	104.8	82.9
251	122.0	120.0	116.6	112.8	107.9	103.8	99.8	96.8	90.7
252	387.5	389.0	387.6	388.3	387.4	388.0	386.5	385.5	383.0

Table LXXVII: Ames Research Center 9x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 102 Pi	R: 101 Pi	R: 100 Pi	R: 99 Pi	R: 98 Pi	R: 97 Pi	R: 96 Pi	R: 95 Pi	R: 94 Pi
2	251.0	251.8	251.2	251.5	251.7	251.1	251.6	251.5	250.6
3	398.0	372.6	358.5	346.0	333.4	320.3	309.1	297.1	291.8
4	260.0	281.4	292.8	303.7	315.5	327.4	340.6	353.3	359.0
5	405.8	377.2	363.3	350.1	336.9	323.5	311.2	299.3	293.8
6	258.6	281.1	292.2	303.6	316.3	327.8	342.7	355.5	362.0
7	409.8	381.8	367.9	353.3	340.8	326.8	314.6	303.0	296.3
8	263.7	286.7	297.7	309.8	322.1	333.9	347.4	361.4	367.0
9	344.0	345.0	345.4	345.6	346.2	345.4	347.5	346.7	346.8
10	198.7	199.2	199.6	199.4	199.6	199.1	199.9	199.4	198.8
11	371.8	344.1	331.6	317.5	305.2	291.9	281.2	268.7	262.7
12	226.6	247.3	258.1	269.3	280.4	292.0	305.2	316.8	323.6
13	359.2	331.5	318.7	304.6	292.3	279.0	268.3	255.8	250.1
14	216.3	237.7	247.3	258.5	270.6	281.3	294.6	305.8	312.0
15	347.6	322.3	309.8	297.7	285.7	273.6	263.4	251.9	245.7
16	207.3	225.8	236.1	245.6	256.8	267.2	279.4	290.4	296.8
17	346.3	352.3	353.0	354.3	355.3	354.7	355.8	355.4	353.5
19	283.9	261.2	250.2	239.2	229.7	219.8	210.8	201.3	196.4
20	169.8	183.9	191.8	199.9	208.6	217.7	227.3	237.0	242.4
21	262.4	241.3	231.0	220.5	211.3	202.2	193.9	185.2	181.4
22	155.2	168.5	175.9	183.3	190.9	199.2	209.5	217.2	222.6
23	223.0	204.2	195.5	187.3	178.9	171.0	164.2	156.5	152.5
24	129.6	140.3	146.4	152.7	160.0	166.8	175.3	182.7	185.5
25	211.7	194.5	185.8	177.8	170.2	162.9	155.8	149.0	145.2
26	125.7	136.3	142.2	147.6	154.8	161.7	170.1	176.8	179.6
43	348.7	322.0	309.2	297.2	285.7	273.6	263.3	252.2	247.2
44	213.3	232.3	242.2	252.9	264.2	275.2	287.5	299.6	308.4
67	198.8	181.6	174.2	166.5	159.8	152.8	147.2	140.6	137.4
68	121.5	130.8	136.0	141.9	147.8	154.9	161.8	168.6	171.5
85	446.1	416.7	403.0	388.5	374.4	360.7	348.4	334.9	328.6
86	295.3	315.5	325.5	336.0	346.1	356.3	368.8	378.9	384.1
87	333.2	318.8	311.8	304.7	297.6	289.7	283.8	275.9	272.3
88	252.8	266.5	272.6	278.9	285.7	291.3	298.8	305.0	308.1
89	140.7	139.8	138.9	138.4	137.6	135.2	134.4	133.8	133.6
90	131.1	133.2	133.6	134.5	135.0	136.1	138.4	138.3	139.0
91	132.8	133.0	133.8	133.7	133.8	134.2	135.2	134.5	134.1
921	374.4	376.9	377.5	377.3	377.5	377.4	378.1	376.2	375.8

Table LXXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	3.0°
	R: 102	R: 101	R: 100	R: 99	R: 98	R: 97	R: 96	R: 95	R: 94
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	285.2	285.9	285.6	286.0	286.1	286.6	286.1	285.7	284.8
93	193.1	194.0	193.4	193.5	193.2	193.1	194.1	193.1	193.0
94	271.3	274.2	275.1	275.8	276.9	277.0	279.1	279.5	278.6
95	137.7	139.8	140.2	139.8	140.2	140.1	140.8	140.4	140.1
125	248.6	226.7	216.3	205.6	195.1	185.9	177.0	167.8	163.0
126	145.1	160.3	167.6	176.3	184.7	193.7	203.5	212.2	218.2
128	273.6	274.9	276.7	275.2	274.0	273.5	273.8	274.2	274.0
132	112.0	114.1	114.3	114.4	114.5	114.6	115.1	114.7	114.1
201	800.9	805.8	806.5	808.5	809.0	806.5	808.6	805.6	801.3
202	900.1	906.1	907.4	909.9	909.0	908.4	909.3	907.0	903.0
203	941.5	947.0	948.5	950.6	951.6	949.9	950.8	949.8	944.8
204	915.6	921.2	922.8	924.1	924.6	923.3	925.1	923.5	918.1
205	818.1	824.3	826.2	826.6	829.1	827.4	829.8	828.3	824.9
206	695.0	699.1	700.6	701.3	702.3	702.0	703.5	701.1	699.6
207	588.8	592.7	593.5	594.0	595.6	595.7	596.8	595.0	593.8
208	525.2	528.3	528.6	530.6	531.1	530.2	532.2	530.3	529.0
209	800.1	774.8	760.6	746.7	732.0	716.0	702.6	685.5	677.4
210	874.9	855.9	845.2	834.0	822.7	809.8	799.4	783.5	777.3
211	921.4	914.2	908.7	903.8	898.0	890.1	885.7	874.2	870.2
212	850.3	868.9	876.1	884.7	892.2	897.5	906.6	908.5	911.0
213	751.2	777.8	789.9	802.6	814.7	825.8	840.1	846.7	853.5
214	628.1	661.1	677.5	694.1	709.2	724.1	742.0	754.5	761.9
215	368.4	368.4	367.6	367.5	367.3	365.7	365.8	363.9	361.8
216	433.2	405.9	392.2	378.4	365.4	352.0	340.4	327.1	321.8
217	287.5	311.6	322.9	335.3	348.4	360.5	374.4	388.5	393.9
218	287.6	287.5	286.2	285.1	284.4	283.4	283.5	281.2	280.7
219	253.4	233.1	223.6	213.6	205.2	196.7	189.3	180.6	176.2
220	154.0	166.6	173.1	180.5	188.8	196.5	205.5	213.3	218.5
221	201.1	184.0	176.2	168.2	161.4	154.4	149.1	142.1	139.6
222	122.2	130.7	135.6	140.8	147.7	154.0	162.0	168.7	171.2
223	193.6	176.8	170.5	162.7	156.3	149.8	144.7	138.4	136.3
224	119.8	128.2	134.1	139.0	145.1	151.2	157.9	163.4	167.8
225	278.8	280.2	281.5	281.3	281.9	281.0	282.3	280.0	280.9
226	512.2	514.5	515.0	516.2	515.9	514.9	516.1	513.2	513.6
227	584.6	587.5	589.6	590.7	591.5	590.6	591.5	587.7	588.2
228	673.3	677.5	678.0	679.6	680.3	680.2	680.7	677.1	676.4

Table LXXVII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	0.0°	1.0°	2.0°	
	R: 102 Pi	R: 101 Pi	R: 100 Pi	R: 99 Pi	R: 98 Pi	R: 97 Pi	R: 96 Pi	R: 95 Pi	R: 94 P
229	371.2	372.4	374.1	374.1	373.8	374.2	375.6	372.8	373.4
230	151.4	151.6	152.0	151.4	152.0	151.7	152.5	151.0	151.1
231	582.3	549.7	533.1	516.2	500.0	483.2	469.5	453.7	448.1
232	728.5	700.1	685.9	670.8	655.3	639.8	625.4	609.1	601.3
233	535.8	569.9	586.1	601.3	618.5	633.7	649.9	664.8	672.6
234	404.8	432.3	446.6	460.6	475.1	490.0	506.6	521.5	530.2
235	247.9	228.6	219.7	211.2	203.7	196.1	189.6	181.7	178.5
236	203.5	194.0	189.1	183.8	179.8	174.8	171.0	165.4	162.9
237	157.5	155.2	154.4	151.2	149.5	147.8	147.0	145.1	144.7
238	150.1	147.7	146.7	144.2	144.4	143.8	144.1	142.8	142.4
239	140.8	140.7	140.9	140.6	141.3	140.7	141.1	140.2	139.9
240	108.3	108.7	109.4	109.1	109.6	111.5	116.2	114.1	113.0
241	130.5	130.0	127.2	124.7	123.8	122.2	121.9	120.0	119.7
242	72.3	72.1	71.1	69.4	69.1	68.6	68.7	68.1	69.3
243	174.1	172.4	172.9	172.5	172.6	173.0	172.2	171.8	173.2
244	271.0	272.0	273.6	272.7	272.3	271.7	271.9	270.7	270.4
245	273.1	277.3	277.9	278.7	279.1	278.5	277.7	276.0	276.6
246	292.4	273.6	264.6	255.8	247.9	238.7	230.0	221.2	216.8
247	252.3	233.0	223.4	213.5	204.5	196.4	188.2	180.6	176.5
248	232.0	212.3	202.8	193.6	185.7	177.0	169.7	162.2	158.2
249	137.4	150.2	156.9	163.7	170.8	178.2	185.5	194.7	199.8
250	222.2	202.7	193.7	184.9	174.6	164.0	152.1	139.4	132.2
251	140.4	128.9	123.1	118.5	114.9	111.2	107.5	104.3	102.5
252	396.3	397.3	398.4	398.3	399.4	398.3	399.0	396.7	396.9

Table LXXVIII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 781 Pi	R: 782 Pi	R: 783 Pi	R: 784 Pi	R: 785 Pi	R: 786 Pi	R: 787 Pi	R: 788 Pi	R: 789 Pi	R: 790 Pi	R: 791 Pi	R: 792 Pi	R: 793 Pi	R: 794 Pi
2	343.6	376.3	412.0	446.4	483.3	526.9	569.3	613.0	657.7	704.9	752.6	795.8	843.9	891.6
3	472.0	479.1	490.2	495.9	501.6	507.1	509.7	511.0	511.2	508.5	504.9	499.8	494.8	492.0
4	485.5	496.5	504.2	510.3	518.2	525.6	532.6	526.4	528.3	525.0	525.1	521.8	519.1	513.1
5	481.9	493.2	495.2	489.4	489.5	488.9	486.3	484.7	482.5	477.2	469.3	464.4	462.5	454.3
6	496.3	497.9	498.4	501.3	499.8	500.9	501.7	495.1	489.4	486.3	480.7	476.6	471.1	465.3
7	495.3	492.7	492.0	484.7	475.7	475.8	467.8	463.4	456.9	449.5	443.3	435.7	430.9	425.1
8	512.9	506.7	503.4	498.5	491.7	491.6	482.5	472.1	469.0	463.8	458.2	451.8	448.4	443.8
9	578.8	537.0	500.7	461.9	425.3	390.8	357.3	328.1	301.7	273.6	248.7	226.7	208.9	191.3
10	268.4	294.2	324.4	352.8	385.0	420.4	458.0	494.9	537.1	582.3	626.4	673.7	721.8	769.3
11	399.0	404.1	408.1	403.8	404.5	406.6	407.5	406.4	405.2	405.3	401.8	396.4	391.9	379.9
12	400.4	404.8	409.3	411.5	413.6	416.8	415.9	416.2	418.4	414.6	411.8	406.6	401.9	395.1
13	395.3	398.8	399.2	398.8	398.1	399.7	398.7	398.9	400.0	399.0	397.4	394.8	394.8	389.0
14	405.4	406.4	408.6	411.6	411.0	412.0	415.5	411.1	411.5	410.1	408.0	403.7	401.7	401.9
15	414.5	409.8	410.0	404.7	399.6	396.9	390.7	387.3	382.9	380.3	375.5	369.7	366.5	362.4
16	418.0	416.2	413.3	407.8	405.9	401.1	396.9	393.9	391.5	389.3	385.0	381.0	377.8	377.1
17	610.2	570.7	524.7	481.7	439.0	395.7	360.7	319.8	285.4	260.8	238.1	218.5	199.7	184.2
19	325.8	323.0	324.9	325.4	326.0	326.1	326.5	327.6	327.3	327.6	327.8	329.7	331.1	332.4
20	332.3	332.8	335.5	335.8	338.2	337.7	336.4	340.7	340.6	341.5	339.4	340.1	341.5	340.5
21	302.5	300.8	301.6	301.0	300.6	299.7	306.4	306.3	307.4	304.7	301.8	301.1	302.5	302.5
22	310.1	310.0	313.3	313.6	312.8	317.3	318.4	318.8	321.1	319.3	313.5	311.3	311.5	311.8
23	257.7	257.4	259.0	258.7	257.5	256.1	258.2	256.8	258.1	258.3	260.0	261.8	264.4	263.7
24	273.0	274.1	274.1	274.9	275.6	271.1	269.2	266.8	266.1	266.0	266.0	268.3	271.6	273.0
25	241.5	240.8	241.4	242.5	242.7	239.9	239.0	237.9	235.7	234.2	232.4	229.3	228.2	230.6
26	252.5	253.2	253.0	252.1	249.8	248.9	247.3	244.6	245.5	246.7	246.0	245.9	246.2	247.4
43	399.9	411.6	415.2	427.9	435.6	445.5	451.8	459.9	462.1	466.4	465.1	471.8	467.3	462.9
44	393.1	405.9	416.6	425.9	436.6	449.2	453.4	456.7	461.9	467.5	468.3	472.5	474.9	473.5
67	224.3	225.8	230.7	232.3	233.8	235.3	237.8	238.0	240.2	242.0	243.6	242.4	240.2	240.4
68	235.9	239.5	243.7	244.4	247.8	249.6	251.4	251.2	253.7	256.8	257.6	260.3	261.7	259.8
85	537.7	541.2	547.0	547.3	545.1	545.3	543.6	540.3	533.5	528.1	521.1	511.9	501.0	490.8
86	557.9	562.8	567.9	570.2	570.2	571.2	568.3	567.9	559.1	553.0	544.7	537.3	531.8	522.6
87	401.8	433.9	462.3	491.7	521.3	554.1	582.1	613.7	643.2	672.5	705.3	732.5	759.6	782.0
88	406.1	436.0	469.2	503.4	534.6	566.2	594.6	625.5	658.2	688.7	719.1	748.0	778.0	808.2
89	179.1	196.2	216.6	236.4	257.3	282.5	307.9	338.0	369.9	403.8	440.7	479.0	518.0	557.5
90	181.1	197.9	217.7	238.4	261.2	286.5	313.4	344.5	376.5	410.1	447.6	481.7	517.7	556.8
91	181.7	196.1	214.5	234.1	256.9	282.6	308.8	339.4	371.1	406.2	446.2	484.1	523.5	562.4
921	627.5	586.2	545.3	507.3	465.9	428.4	392.5	362.0	329.7	302.9	277.1	252.1	229.2	212.3

Table LXXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 781 Pi	R: 782 Pi	R: 783 Pi	R: 784 Pi	R: 785 Pi	R: 786 Pi	R: 787 Pi	R: 788 Pi	R: 789 Pi	R: 790 Pi	R: 791 Pi	R: 792 Pi	R: 793 Pi	R: 794 Pi
922	393.9	429.5	469.0	506.0	542.7	582.7	625.6	667.9	714.5	762.0	814.7	868.8	918.6	967.9
93	261.0	286.5	316.1	343.7	375.6	410.3	446.3	484.2	525.8	569.9	615.9	662.1	707.9	754.0
94	377.1	411.0	450.1	489.2	526.8	571.4	615.0	658.8	708.0	759.8	814.6	862.5	910.7	955.9
95	191.6	208.3	229.9	252.3	274.1	303.0	330.6	361.4	395.6	430.9	470.1	511.9	554.2	598.2
125	274.4	275.4	277.8	277.6	277.0	276.2	270.5	265.5	260.1	254.4	251.7	247.6	243.2	239.6
126	300.3	301.8	302.9	302.1	300.4	297.7	291.3	287.3	280.5	275.6	268.5	262.5	257.1	254.1
128	469.8	429.7	397.5	365.5	333.3	305.8	280.6	260.6	238.3	220.2	206.2	193.5	182.5	173.9
132	161.8	171.3	183.0	196.7	211.2	230.7	250.1	273.1	299.1	328.0	360.1	389.0	424.8	462.9
201	1277.3	1237.2	1198.0	1151.7	1106.9	1059.9	1007.8	962.6	911.0	857.4	805.8	752.7	702.4	663.7
202	1406.9	1389.8	1369.8	1340.3	1309.5	1279.3	1237.8	1203.4	1164.0	1120.2	1076.4	1033.8	985.8	940.9
203	1443.7	1452.2	1453.6	1441.5	1428.5	1411.6	1383.3	1363.8	1336.8	1303.2	1265.8	1224.2	1183.4	1136.9
204	1379.3	1409.5	1431.2	1444.7	1453.8	1456.2	1448.0	1447.2	1439.3	1427.6	1409.4	1381.0	1362.5	1323.5
205	1212.9	1255.3	1298.3	1331.5	1362.3	1390.4	1405.6	1423.3	1436.2	1447.7	1454.6	1442.9	1455.4	1440.2
206	1004.1	1056.4	1110.9	1157.9	1203.0	1245.0	1279.4	1315.2	1346.3	1375.8	1402.2	1415.6	1440.2	1443.2
207	841.8	893.2	947.6	996.3	1045.5	1093.2	1136.9	1180.7	1221.3	1260.3	1297.6	1331.6	1357.8	1382.0
208	758.8	802.3	846.3	890.7	935.9	980.5	1023.2	1069.5	1114.0	1157.6	1201.1	1240.0	1275.6	1305.8
209	1078.8	1088.8	1100.9	1105.1	1104.5	1101.2	1092.5	1085.9	1071.8	1056.0	1038.6	1015.5	994.1	970.4
210	1216.0	1232.6	1251.0	1256.8	1261.2	1259.8	1252.2	1249.4	1235.2	1223.0	1208.5	1188.0	1161.2	1133.3
211	1329.9	1354.5	1373.6	1386.3	1394.0	1397.3	1391.3	1387.7	1377.7	1365.6	1355.8	1336.4	1305.3	1275.1
212	1344.2	1369.2	1390.7	1402.9	1412.7	1414.1	1408.4	1407.3	1394.8	1381.1	1366.7	1340.4	1322.6	1293.2
213	1245.3	1264.7	1280.0	1291.9	1296.6	1296.5	1288.7	1284.9	1270.9	1254.2	1238.5	1217.6	1193.4	1174.0
214	1096.7	1108.8	1119.6	1124.8	1126.6	1122.1	1114.5	1106.2	1092.2	1076.4	1060.5	1041.6	1021.0	996.7
215	604.3	568.3	530.0	492.0	453.8	418.0	383.4	352.4	323.0	296.8	270.5	245.9	225.3	206.2
216	515.5	525.5	535.9	544.6	548.3	556.5	557.0	559.8	558.0	557.6	557.1	552.3	545.2	543.6
217	534.6	545.3	554.9	562.3	566.6	574.7	579.7	577.7	577.5	575.2	572.4	568.8	565.7	564.0
218	386.4	422.8	461.0	500.6	539.5	581.8	623.7	667.9	711.9	760.4	811.3	862.0	909.6	958.1
219	290.0	292.7	296.9	302.2	303.6	304.8	305.3	305.0	305.6	306.2	307.4	306.8	307.7	307.0
220	297.3	303.2	306.9	310.6	313.8	317.0	316.0	317.9	317.1	316.9	314.9	314.0	315.5	315.0
221	225.8	227.4	229.0	230.7	230.9	234.0	233.7	234.6	233.4	234.8	234.9	235.7	239.5	240.6
222	234.6	237.7	239.2	240.2	244.6	246.0	245.2	245.9	247.3	248.0	246.4	246.4	249.3	253.1
223	216.2	218.1	220.6	224.0	225.7	228.0	227.9	229.8	229.9	232.3	234.2	234.9	234.8	238.4
224	223.2	229.5	231.3	234.7	235.9	239.2	239.9	242.4	242.3	242.7	243.3	245.8	247.1	248.9
225	467.7	430.7	396.5	363.0	332.8	305.7	280.1	257.1	235.4	217.0	201.8	188.4	176.4	164.5
226	841.7	795.2	753.5	709.6	665.9	621.8	579.1	536.0	497.1	457.2	418.3	386.9	356.8	323.1
227	952.3	904.3	857.9	804.7	749.5	699.6	651.9	612.6	561.5	524.1	482.5	444.7	411.5	375.8
228	1090.2	1039.6	991.8	937.1	883.6	822.5	759.2	703.4	651.6	603.0	558.5	518.9	483.8	448.9

Table LXXVIII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 740.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 781	R: 782	R: 783	R: 784	R: 785	R: 786	R: 787	R: 788	R: 789	R: 790	R: 791	R: 792	R: 793	R: 794
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	519.5	563.5	605.5	649.9	698.8	745.2	793.3	840.7	890.2	938.8	987.5	1033.0	1080.4	1121.8
230	202.7	222.7	246.2	270.0	294.2	323.8	353.7	386.5	421.8	461.2	502.6	545.1	587.8	632.1
231	736.3	737.6	737.5	735.2	732.8	725.3	719.8	714.6	701.6	693.9	680.2	668.4	652.4	635.4
232	967.0	972.4	978.1	982.4	974.6	968.4	958.9	951.1	932.3	915.6	899.4	879.9	856.7	833.8
233	964.0	969.9	975.8	973.3	972.4	966.0	956.2	944.3	931.3	915.6	901.0	883.4	862.0	838.3
234	751.9	751.8	752.0	749.4	744.4	737.7	730.5	722.0	710.1	697.6	683.2	670.8	653.5	636.6
235	264.2	280.8	296.0	310.7	321.3	330.1	336.3	341.4	347.1	350.9	354.3	352.7	352.5	352.8
236	231.8	253.4	276.7	297.0	316.9	337.6	357.1	374.9	395.3	416.9	436.2	452.0	468.4	489.1
237	197.7	219.5	240.1	262.9	286.6	314.5	342.0	370.9	402.5	435.6	471.8	505.2	541.9	585.1
238	194.4	214.0	233.4	256.1	278.8	308.2	335.3	366.0	399.4	434.3	471.3	512.6	552.9	596.5
239	187.6	206.3	226.5	249.1	271.5	299.0	327.8	357.3	392.0	428.0	469.6	509.2	551.6	597.3
240	151.5	161.7	174.2	190.5	210.7	236.7	254.3	275.8	302.2	329.8	360.2	391.4	427.2	466.2
241	152.2	175.7	196.4	216.5	235.3	253.2	268.3	285.0	299.9	318.8	337.1	351.5	371.0	390.0
242	117.0	104.4	93.2	85.1	77.9	74.2	68.5	65.6	61.8	60.8	56.3	55.4	53.4	50.8
243	281.7	265.1	247.8	229.0	209.1	194.2	177.0	163.5	150.8	140.1	130.0	120.8	111.5	105.0
244	457.8	420.6	389.1	357.5	328.7	302.7	277.1	255.8	234.8	217.4	200.9	189.1	176.9	166.5
245	466.4	430.7	396.2	363.2	332.1	305.3	278.8	256.7	235.8	219.1	201.7	186.4	173.8	163.1
246	341.6	341.8	340.8	340.0	339.7	338.1	335.1	333.7	331.7	332.7	328.2	326.4	326.4	327.2
247	282.5	289.7	299.5	303.8	306.4	310.9	309.0	310.9	307.6	304.6	300.1	291.5	280.7	268.7
248	268.2	265.2	265.5	262.8	258.9	258.6	252.8	250.1	244.2	240.6	237.9	237.3	233.0	230.8
249	274.9	273.2	272.9	270.5	267.3	266.3	260.8	257.8	251.2	249.0	246.7	245.3	244.5	243.7
250	211.8	237.6	253.6	257.0	249.9	243.1	230.4	220.4	209.4	201.4	191.8	180.1	168.3	161.4
251	163.1	162.6	159.3	156.1	155.9	157.5	157.2	159.1	157.8	159.1	159.3	159.2	161.0	164.8
252	554.2	596.3	638.7	680.9	726.1	774.5	827.0	874.8	928.5	979.0	1028.6	1077.3	1118.3	1161.9

Table LXXIX: Ames Research Center 9x7 Tunnel - 10% Model

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 978 Pi	R: 979 Pi	R: 980 Pi	R: 981 Pi	R: 982 Pi	R: 983 Pi	R: 984 Pi	R: 985 Pi	R: 986 Pi	R: 987 Pi	R: 988 Pi	R: 989 Pi	R: 990 Pi	R: 991 Pi
2	233.4	253.2	275.1	300.1	326.1	352.8	381.1	410.2	440.5	471.5	502.4	533.4	564.4	595.4
3	319.5	325.0	330.0	334.0	337.7	338.8	342.4	344.2	343.6	343.3	340.2	336.0	332.2	330.3
4	331.1	336.7	340.7	344.8	349.0	352.3	355.3	356.6	356.7	355.8	356.1	354.9	351.6	348.3
5	327.7	328.5	328.8	329.3	328.8	327.3	327.3	326.5	324.5	321.3	317.8	314.5	310.1	305.4
6	338.2	338.0	336.6	337.6	336.5	335.8	335.2	332.5	330.8	328.6	325.6	323.1	320.3	315.0
7	336.8	333.8	330.6	327.5	323.4	318.6	315.0	311.6	307.5	304.1	298.2	293.7	291.7	286.1
8	350.0	345.7	339.9	337.3	333.8	329.6	326.8	322.5	318.3	314.1	311.8	308.7	306.3	301.7
9	389.3	361.6	334.0	308.6	285.0	261.5	241.5	222.4	203.1	185.4	169.9	154.5	142.3	131.0
10	184.3	199.9	218.3	238.7	260.6	283.3	308.5	332.8	362.5	390.2	420.0	450.0	481.1	513.1
11	266.9	268.9	269.2	270.5	272.3	272.6	273.6	272.8	273.2	272.2	271.5	266.9	261.8	257.6
12	274.1	275.9	277.4	279.0	280.7	281.7	281.9	282.5	283.2	281.6	280.4	276.1	273.7	268.4
13	268.5	268.1	267.9	267.7	267.6	268.1	267.8	268.5	269.0	268.6	268.4	266.3	263.9	260.6
14	277.1	276.9	277.0	278.1	277.8	277.8	279.1	279.1	278.2	278.1	277.1	273.6	271.8	269.0
15	281.0	277.6	275.2	272.1	269.7	265.3	263.5	259.5	257.2	255.6	252.9	249.7	246.8	242.8
16	284.8	282.2	279.7	276.5	274.2	271.7	269.3	267.4	265.1	263.5	259.9	257.0	255.5	253.3
17	401.3	369.5	339.9	311.3	285.1	259.2	235.3	212.0	202.8	176.8	161.9	148.0	136.4	123.7
19	221.8	220.7	219.0	218.9	218.3	218.8	219.1	219.1	219.6	220.4	222.0	222.2	223.0	221.8
20	230.1	228.6	227.9	227.9	228.0	228.0	228.1	228.7	229.5	230.7	231.2	230.8	232.8	233.8
21	204.7	202.8	201.6	199.4	200.4	201.5	203.5	206.1	206.7	205.0	203.5	202.1	202.0	201.8
22	211.2	210.5	210.2	208.2	209.7	213.7	214.5	215.9	217.0	215.5	212.0	210.0	210.3	210.7
23	175.4	173.9	174.3	173.4	173.4	173.3	174.1	173.6	173.4	174.1	175.9	178.1	178.1	176.6
24	182.9	182.2	182.6	182.7	182.5	182.1	182.3	180.6	180.0	180.4	181.8	182.8	185.6	186.4
25	164.5	163.0	163.0	162.8	162.7	162.0	161.5	160.1	158.8	157.6	157.1	155.4	155.2	157.1
26	172.7	171.5	170.5	170.1	169.6	168.3	167.7	166.0	166.1	165.9	166.6	166.4	166.8	166.8
43	266.1	272.6	280.0	286.6	292.6	298.4	304.3	306.9	310.3	312.8	314.1	314.6	313.6	311.4
44	270.3	275.9	282.9	289.4	295.2	300.7	304.6	309.3	312.7	315.3	317.8	319.6	321.4	320.3
67	152.5	153.5	155.4	157.8	158.1	158.2	160.0	160.6	161.4	162.5	164.0	163.7	163.1	162.7
68	162.3	163.0	164.4	165.8	168.1	169.4	171.0	170.6	171.4	173.1	175.6	177.3	178.4	176.9
85	365.6	366.2	367.1	367.4	368.1	366.5	365.8	363.3	360.8	355.8	352.6	345.5	337.6	330.6
86	380.8	381.5	382.7	383.8	383.8	383.2	382.0	379.6	376.8	372.9	369.1	362.7	359.2	354.4
87	274.2	294.1	312.4	331.5	351.0	371.8	391.8	411.6	432.0	452.3	472.7	491.6	506.9	523.6
88	277.6	297.2	317.5	337.5	359.0	379.9	400.5	422.0	443.0	463.8	484.4	503.2	523.5	545.0
89	124.4	133.6	145.6	158.8	173.8	190.1	208.4	227.2	250.2	272.1	296.0	320.4	346.4	369.9
90	125.4	135.8	148.1	162.1	177.4	194.3	213.2	231.4	253.4	276.6	299.3	321.7	347.1	374.4
91	125.0	134.4	146.2	159.4	174.5	190.4	209.3	228.5	250.8	274.5	299.0	322.0	346.4	374.3
921	423.2	392.9	365.1	338.2	312.2	287.2	264.5	244.3	224.7	206.5	188.5	172.3	157.9	144.8

Table LXXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 978	R: 979	R: 980	R: 981	R: 982	R: 983	R: 984	R: 985	R: 986	R: 987	R: 988	R: 989	R: 990	R: 991
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	268.5	289.1	314.1	340.3	364.6	393.7	421.5	449.9	480.7	512.8	545.7	580.8	613.4	647.1
93	178.2	194.7	213.0	232.4	254.0	276.5	300.8	325.9	353.9	382.1	411.5	441.7	471.6	502.8
94	259.1	280.0	304.8	329.5	356.2	383.7	413.8	443.3	476.5	509.7	543.6	577.5	609.0	640.4
95	132.2	143.3	155.4	169.6	185.6	203.4	222.4	242.7	265.5	290.0	315.5	342.8	371.0	398.7
125	186.8	186.4	186.9	187.1	186.1	184.5	181.7	178.8	175.1	172.2	169.8	167.4	165.2	162.2
126	204.0	204.4	204.3	203.6	202.0	200.1	197.2	193.8	190.5	187.0	182.5	178.4	174.2	172.0
128	318.4	290.5	266.3	245.3	225.2	206.3	189.9	175.0	161.3	150.7	141.3	131.8	125.0	118.3
132	112.7	117.7	125.8	134.8	144.9	158.4	170.3	184.4	201.9	221.3	241.9	262.0	288.5	308.3
201	864.5	837.6	806.3	776.0	743.3	711.0	680.6	649.0	614.7	582.5	547.1	512.1	479.3	452.7
202	955.3	941.0	921.6	902.0	880.4	856.8	834.8	811.2	784.6	756.5	725.7	697.5	666.2	635.8
203	984.0	982.7	977.5	970.9	960.7	946.7	934.7	918.6	900.3	879.0	852.9	830.5	800.0	769.7
204	940.0	953.5	964.3	972.6	977.6	977.5	978.1	975.8	970.6	964.4	949.4	939.3	919.0	895.6
205	825.5	850.8	874.6	896.4	916.3	932.3	949.0	959.8	970.6	978.1	979.5	984.0	977.2	967.5
206	684.9	716.6	748.4	778.5	807.9	835.2	862.0	885.3	907.3	928.1	944.4	959.0	965.1	969.2
207	572.7	605.0	637.0	670.2	701.6	733.0	763.8	791.6	821.1	848.0	870.7	894.1	909.0	925.1
208	513.5	540.8	568.6	598.1	626.5	656.8	687.5	717.0	748.5	777.9	804.3	831.8	852.1	874.1
209	731.6	736.2	740.1	742.7	741.9	738.5	736.0	728.1	719.2	709.8	697.0	684.3	670.1	653.2
210	827.4	834.0	841.6	846.1	848.7	846.1	845.7	840.2	832.4	824.8	813.3	799.6	782.7	765.3
211	908.2	918.0	927.0	934.4	938.2	939.0	939.6	935.6	930.3	923.4	913.3	900.8	880.9	859.5
212	916.2	928.5	938.8	946.9	951.4	952.4	952.6	949.7	943.4	935.6	921.7	907.1	891.4	871.8
213	846.9	854.5	861.9	869.2	870.8	871.3	870.3	864.9	857.5	847.6	835.4	821.9	806.1	791.5
214	745.3	749.3	753.1	755.8	755.2	753.8	751.1	745.5	736.9	727.6	714.8	703.6	690.0	675.6
215	409.1	380.9	353.4	327.5	302.7	279.1	257.3	237.3	218.9	201.3	183.8	167.5	153.8	141.4
216	351.8	356.8	361.1	365.9	370.5	372.5	374.7	376.2	376.1	376.4	374.4	372.1	368.3	363.8
217	365.5	370.9	373.8	378.9	383.2	385.5	388.6	388.8	389.4	388.3	386.7	384.4	383.3	381.6
218	264.5	286.5	310.9	337.0	363.2	390.2	420.3	447.5	478.7	511.4	543.7	576.9	609.0	640.5
219	195.4	197.8	199.4	201.2	202.5	204.4	203.8	205.2	205.6	207.2	207.6	206.6	208.1	207.4
220	203.1	204.8	206.8	208.9	211.1	213.6	215.3	214.7	214.4	214.1	214.0	213.4	214.3	215.0
221	155.3	155.3	155.2	155.9	156.8	157.2	158.0	158.3	158.1	158.6	159.0	159.6	161.3	162.9
222	160.9	161.2	161.3	162.5	164.9	165.0	165.4	165.8	166.9	166.8	167.1	166.2	167.6	171.0
223	149.9	149.6	149.6	151.1	152.9	153.9	154.8	155.7	155.8	157.7	159.5	159.0	159.6	160.4
224	154.3	155.7	156.7	157.4	159.5	160.5	162.0	163.0	163.5	163.9	165.6	166.1	166.7	167.3
225	319.3	293.2	269.1	247.2	227.5	207.6	190.9	175.7	161.1	149.6	140.1	129.9	122.1	115.2
226	568.5	535.6	504.4	476.0	446.4	417.5	390.0	362.4	333.6	309.4	284.2	261.7	244.1	222.3
227	645.6	610.5	575.5	541.8	504.5	472.1	440.8	411.6	381.0	353.5	326.5	300.7	280.3	259.3
228	741.4	704.7	666.9	631.7	594.2	555.7	514.3	477.4	440.8	409.2	378.2	350.1	328.6	308.3

Table LXXIX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 0.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 978 Pi	R: 979 Pi	R: 980 Pi	R: 981 Pi	R: 982 Pi	R: 983 Pi	R: 984 Pi	R: 985 Pi	R: 986 Pi	R: 987 Pi	R: 988 Pi	R: 989 Pi	R: 990 Pi	R: 991 Pi
229	354.1	380.2	408.4	438.2	469.0	500.6	533.5	564.5	596.9	629.5	660.6	692.8	722.3	752.7
230	139.4	151.7	165.6	181.1	198.6	217.3	238.0	259.3	284.2	309.6	336.4	364.0	391.7	420.8
231	500.8	498.6	497.4	495.4	491.6	487.2	484.8	479.7	473.3	465.9	457.8	448.5	440.9	430.3
232	655.4	655.9	657.0	657.5	653.2	649.5	643.3	636.9	627.4	617.5	605.3	592.8	579.1	564.5
233	655.6	654.8	654.5	655.0	652.6	648.7	643.0	636.8	627.8	619.1	607.3	595.5	583.0	568.4
234	511.2	509.6	507.2	505.9	500.9	497.2	491.6	487.1	478.9	471.0	461.4	450.9	442.6	432.0
235	182.7	191.5	199.5	208.3	215.2	221.0	226.2	230.4	233.2	236.0	238.4	236.9	236.5	236.0
236	159.6	172.5	186.9	200.8	214.4	226.6	240.2	251.4	266.1	279.3	291.5	302.5	314.8	326.8
237	135.8	148.3	162.5	177.9	194.2	210.5	229.8	248.5	270.1	291.5	314.6	339.3	364.8	391.1
238	132.0	144.2	157.3	172.6	189.2	206.8	225.8	245.6	267.6	291.3	316.2	342.8	370.4	398.3
239	130.1	140.9	153.5	167.6	183.5	200.9	220.3	240.5	263.9	288.0	315.0	340.6	369.6	398.2
240	105.3	112.1	121.2	133.7	147.5	160.1	175.4	191.5	209.6	227.5	244.9	262.5	286.4	309.6
241	106.7	121.0	133.7	146.3	158.8	168.5	179.9	190.6	201.6	213.3	224.4	234.6	247.3	261.4
242	81.4	71.8	63.8	58.4	53.8	50.1	47.6	45.3	43.3	42.1	41.7	39.6	38.7	38.0
243	191.9	179.3	167.1	155.0	142.0	130.7	120.0	110.5	101.9	94.6	88.6	81.7	76.4	72.0
244	309.7	283.3	260.4	240.2	220.6	202.9	186.1	171.9	158.2	146.5	136.9	127.9	120.6	114.1
245	317.4	290.6	266.4	244.6	223.4	204.6	188.1	173.2	159.4	147.1	137.1	126.7	118.7	111.8
246	237.2	232.2	229.0	228.8	227.8	226.4	225.2	224.6	223.0	220.9	220.5	220.9	220.2	221.0
247	192.3	197.1	201.6	204.0	206.0	207.4	208.8	208.6	208.2	206.6	203.1	197.2	190.4	181.0
248	182.3	180.1	178.1	176.1	174.7	172.2	170.5	168.1	165.0	163.1	161.3	159.6	157.9	155.5
249	188.3	185.9	183.9	182.5	181.1	178.8	176.9	173.8	171.2	169.6	168.6	167.2	166.0	165.2
250	146.3	162.3	169.8	172.6	167.8	163.2	152.8	148.8	143.5	137.8	131.4	122.9	115.7	110.5
251	113.9	112.2	109.4	107.6	107.1	107.2	107.8	108.3	108.6	109.2	108.8	108.8	110.4	111.9
252	379.0	404.9	431.8	461.1	489.7	522.4	555.0	588.6	622.9	656.3	687.7	719.9	748.4	777.8

Table LXXX: Ames Research Center 9x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1024	R: 1025	R: 1026	R: 1027	R: 1028	R: 1029	R: 1030	R: 1031	R: 1032	R: 1033	R: 1034	R: 1035	R: 1036	R: 1037
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	233.4	253.0	276.9	302.5	327.0	353.2	381.2	409.2	437.1	468.3	499.4	529.4	560.8	593.7
3	294.8	298.8	303.9	309.5	311.9	314.8	318.0	318.4	318.3	316.9	313.9	310.8	308.9	304.4
4	354.7	360.0	366.1	372.1	376.8	381.1	383.4	385.0	384.3	384.7	383.2	380.7	377.3	371.9
5	301.2	301.9	303.7	305.3	304.7	304.0	302.7	302.0	300.6	298.6	295.0	291.4	287.7	281.5
6	362.2	362.7	362.4	364.0	364.8	364.3	362.4	360.5	357.4	354.9	351.9	347.3	342.1	336.5
7	309.4	305.8	304.8	301.6	298.7	295.1	291.7	288.7	286.6	282.7	278.2	273.9	269.0	264.8
8	374.1	369.7	365.9	364.6	361.8	357.7	353.2	348.2	344.0	339.7	335.8	330.7	325.5	321.4
9	388.0	359.1	333.0	308.2	285.1	262.3	241.2	221.7	204.5	187.7	172.7	158.2	144.9	132.8
10	181.5	199.3	218.3	238.1	260.4	283.1	307.7	332.0	358.6	386.2	416.2	445.7	476.0	509.6
11	242.8	245.3	247.8	249.6	252.4	252.7	253.6	253.1	253.2	250.6	247.0	242.9	240.0	235.1
12	290.7	293.1	294.4	297.6	300.0	301.3	301.5	301.5	301.6	301.3	300.7	298.2	296.1	291.3
13	243.4	244.1	245.5	247.6	248.6	248.6	249.6	248.1	248.6	247.1	245.4	242.7	241.6	240.0
14	293.7	294.0	294.2	295.7	297.1	297.4	298.2	297.6	297.1	298.0	297.0	294.2	293.1	289.8
15	254.3	252.0	251.4	251.1	249.5	246.6	244.5	241.2	238.3	234.2	231.2	228.3	226.3	224.2
16	302.3	299.3	296.3	294.5	292.0	289.6	287.4	285.7	283.0	281.1	279.2	275.9	273.6	271.9
17	396.6	367.6	339.0	311.7	285.5	259.3	235.4	215.5	200.4	186.8	168.2	152.9	141.1	126.9
19	202.0	200.7	200.5	201.1	201.1	201.3	201.9	201.6	202.3	204.5	203.4	203.3	203.6	205.7
20	247.5	245.4	243.8	243.7	244.1	244.1	243.5	244.7	245.7	246.7	249.5	251.0	253.8	255.9
21	185.7	186.4	186.1	185.7	187.3	188.2	191.6	192.5	192.1	190.2	187.6	184.3	183.4	183.2
22	228.5	228.0	227.9	226.8	228.1	229.8	232.8	235.1	235.5	236.1	234.2	232.3	232.0	232.0
23	156.6	155.9	156.8	157.8	159.4	157.5	158.3	158.8	157.6	158.2	158.8	158.9	160.0	158.0
24	203.9	202.8	202.8	202.7	202.2	202.3	201.3	199.9	198.7	198.7	200.3	202.3	204.6	204.8
25	149.8	149.4	150.0	149.5	149.7	149.1	148.7	147.4	146.1	145.2	144.5	142.8	144.1	147.3
26	186.6	184.8	185.0	184.2	184.3	184.0	181.8	180.2	180.3	180.4	179.7	179.1	179.2	179.3
43	245.2	252.0	260.6	267.0	272.0	277.2	281.4	285.2	288.3	289.0	289.7	287.8	286.3	284.5
44	283.4	290.8	299.4	308.0	315.6	321.8	326.5	330.3	332.9	335.3	337.8	340.5	341.8	343.6
67	140.0	141.4	143.1	145.1	145.7	146.2	146.7	147.5	149.1	149.6	149.8	149.2	148.8	150.8
68	173.9	175.9	177.8	179.8	182.1	182.5	183.5	185.8	186.2	187.0	189.5	191.1	192.4	192.3
85	337.5	337.9	337.3	339.1	339.7	339.1	338.5	337.1	334.8	329.5	326.2	319.5	314.9	307.2
86	408.9	411.1	411.9	415.2	415.8	416.1	414.4	411.5	407.9	404.5	399.5	392.5	387.9	380.6
87	260.9	279.0	294.5	314.0	332.8	352.7	372.6	389.4	407.8	426.7	447.7	465.6	482.5	499.8
88	289.2	310.0	331.7	354.5	376.4	398.5	420.6	442.4	461.8	483.5	505.5	524.2	544.6	564.5
89	121.3	132.0	143.6	157.3	171.6	187.5	203.5	221.7	241.4	263.8	286.3	309.1	335.5	362.3
90	124.9	135.2	147.5	161.3	176.9	193.9	212.1	232.3	253.3	275.8	299.4	323.9	350.3	378.7
91	121.7	131.5	143.4	157.7	172.4	188.5	205.8	225.1	245.3	267.7	291.6	316.7	344.9	372.7
921	422.3	391.3	363.8	338.2	312.2	288.3	265.9	246.0	226.1	208.1	190.6	174.8	160.6	147.2

Table LXXX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1024 Pi	R: 1025 Pi	R: 1026 Pi	R: 1027 Pi	R: 1028 Pi	R: 1029 Pi	R: 1030 Pi	R: 1031 Pi	R: 1032 Pi	R: 1033 Pi	R: 1034 Pi	R: 1035 Pi	R: 1036 Pi	R: 1037 Pi
922	265.9	289.2	314.4	339.2	363.7	393.0	421.7	448.2	479.0	510.4	543.0	577.2	612.2	645.1
93	176.9	194.1	213.1	232.5	253.6	276.6	300.6	325.4	350.7	379.1	407.8	436.0	467.6	500.5
94	259.7	283.0	306.4	332.6	359.6	388.3	417.9	447.2	477.2	509.9	544.8	576.9	610.1	640.6
95	129.5	140.8	154.1	169.7	186.3	202.4	220.9	241.3	261.9	285.9	311.0	336.6	365.0	394.3
125	168.1	168.9	169.6	171.8	172.0	170.2	168.1	165.0	161.9	157.6	155.3	152.1	148.3	144.2
126	223.8	222.3	221.4	221.1	219.0	216.7	213.1	209.5	206.2	203.1	199.3	195.9	193.8	191.0
128	316.0	287.7	262.6	241.1	221.6	203.7	188.1	174.4	162.5	151.3	140.7	132.9	125.2	118.2
132	111.8	116.8	124.3	133.7	143.3	155.1	168.4	182.9	197.4	217.1	237.1	258.9	283.9	307.8
201	858.6	832.3	803.2	777.6	747.2	714.8	681.9	651.0	618.5	585.6	550.6	514.9	481.2	454.7
202	949.3	935.0	917.7	903.1	884.2	860.7	837.2	813.7	787.9	760.3	729.3	699.1	669.4	639.4
203	979.8	977.2	973.3	970.9	962.7	951.5	936.3	922.5	903.7	882.7	856.8	830.9	802.9	773.0
204	935.7	949.5	959.6	972.7	979.0	978.0	976.8	976.4	972.2	964.1	951.7	937.4	920.2	898.2
205	822.9	847.9	870.7	896.2	918.0	933.6	946.2	958.8	969.2	976.6	980.1	978.9	978.2	971.7
206	681.8	714.4	745.6	778.9	809.3	835.7	859.9	882.7	904.2	923.1	940.1	952.8	967.3	971.6
207	571.0	603.2	636.1	671.8	703.3	733.8	762.8	791.9	816.8	843.1	867.8	889.0	911.3	926.8
208	512.2	538.9	567.3	598.9	626.5	657.9	687.4	716.2	744.4	773.1	801.5	827.5	853.6	875.2
209	694.9	698.2	701.5	705.6	707.4	703.8	699.3	694.7	687.7	678.9	667.7	654.7	640.4	624.1
210	796.3	801.7	808.8	816.0	819.2	817.7	816.2	813.5	807.9	798.9	788.6	773.1	758.0	740.4
211	889.0	898.4	908.0	918.3	923.7	924.9	923.0	922.7	918.1	909.7	898.4	883.4	866.5	845.9
212	927.3	938.8	949.5	960.6	965.9	966.2	964.0	963.0	957.3	951.5	938.2	924.0	907.5	885.5
213	869.1	879.5	887.1	895.0	897.5	895.7	892.8	889.8	883.7	876.5	865.1	851.4	834.8	814.1
214	777.9	784.7	788.3	792.6	792.9	789.9	784.8	780.4	772.9	764.3	752.3	738.1	724.2	706.6
215	405.7	378.7	351.3	326.7	303.0	279.1	257.8	237.7	219.5	202.6	186.0	170.1	156.0	142.1
216	324.4	329.1	334.5	338.5	342.2	344.7	346.4	347.5	348.8	348.5	348.1	344.9	342.1	339.5
217	391.7	397.8	403.1	409.7	414.2	417.7	419.2	419.6	419.7	419.5	417.6	414.3	409.8	407.7
218	261.3	284.9	308.3	334.1	361.3	387.2	416.3	444.7	472.0	502.9	536.4	569.2	600.8	633.4
219	178.1	181.3	183.6	186.4	188.6	187.9	188.6	188.3	189.3	188.0	187.7	186.6	185.1	184.8
220	220.0	222.1	224.3	227.2	229.6	230.8	232.0	233.2	232.9	233.2	234.1	234.6	235.5	236.9
221	143.7	144.4	145.1	146.2	146.3	146.6	147.5	147.4	147.8	148.7	147.9	147.5	149.0	150.4
222	173.6	173.6	173.4	174.4	176.4	177.6	177.7	177.4	177.1	178.1	180.2	180.9	183.1	188.4
223	137.9	140.5	142.2	144.7	146.4	145.8	145.9	145.8	145.4	145.5	145.7	146.1	144.7	143.0
224	167.1	168.1	168.9	169.9	170.9	172.6	173.6	174.6	176.7	178.6	180.4	183.8	187.7	190.0
225	316.2	292.7	268.2	247.3	227.1	208.9	192.0	176.9	163.6	150.2	139.2	128.5	119.6	113.0
226	564.3	532.6	503.0	475.8	446.2	418.9	391.0	363.4	337.9	312.7	287.6	265.0	242.6	225.5
227	640.2	607.9	574.6	541.9	504.1	473.2	442.1	413.9	386.4	359.7	333.6	307.8	283.7	262.5
228	737.1	700.9	667.7	632.3	595.3	556.8	517.2	478.8	446.1	414.8	385.7	357.6	333.2	311.9

Table LXXX: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 1024 Pi	R: 1025 Pi	R: 1026 Pi	R: 1027 Pi	R: 1028 Pi	R: 1029 Pi	R: 1030 Pi	R: 1031 Pi	R: 1032 Pi	R: 1033 Pi	R: 1034 Pi	R: 1035 Pi	R: 1036 Pi	R: 1037 Pi
229	353.2	379.8	408.2	438.6	468.3	501.1	532.2	563.3	593.6	624.2	657.8	688.4	721.3	751.2
230	138.3	151.5	165.2	181.1	198.9	217.4	237.7	258.6	281.6	305.9	332.5	359.1	387.1	416.7
231	466.4	465.0	466.2	463.8	459.5	457.8	454.0	449.6	444.4	436.3	429.3	421.0	411.1	402.6
232	618.6	618.8	619.4	621.1	618.0	615.0	609.9	603.7	597.1	587.4	575.9	563.1	548.9	535.1
233	687.6	690.9	692.1	692.0	689.8	685.4	679.1	672.6	663.8	655.4	642.8	630.2	618.2	602.3
234	543.0	540.5	539.5	538.8	534.7	531.6	524.9	519.4	512.8	505.4	497.7	488.0	476.6	464.6
235	171.8	178.2	185.0	191.3	198.5	203.2	206.1	209.2	212.0	213.8	215.6	214.1	213.9	216.6
236	151.5	164.5	177.4	189.6	202.8	213.9	226.2	236.6	247.7	257.3	267.9	280.4	291.9	304.6
237	132.8	146.6	159.3	173.6	188.7	204.7	222.1	240.2	259.1	281.0	303.4	325.7	350.9	375.7
238	130.8	142.3	155.3	170.0	186.6	203.0	222.0	241.0	260.7	283.0	308.7	331.7	358.2	389.1
239	127.4	139.6	152.1	167.7	183.8	200.5	219.1	239.3	259.2	282.8	307.6	333.2	361.0	390.9
240	104.0	111.7	119.3	129.2	141.6	157.0	173.0	185.6	198.8	216.0	236.2	256.8	281.0	308.7
241	108.8	121.8	133.2	143.2	152.3	161.1	171.2	179.4	188.9	197.7	207.8	217.5	229.2	243.1
242	79.0	71.8	64.6	58.7	54.1	49.7	46.4	43.8	42.2	41.0	39.7	38.9	38.4	37.5
243	190.3	178.6	167.0	154.6	143.1	132.5	122.2	111.7	102.9	94.9	87.7	81.8	76.3	71.0
244	306.2	281.3	259.2	237.5	217.9	200.1	184.5	170.1	157.6	146.1	136.2	127.1	119.8	113.6
245	309.4	284.3	261.1	240.3	220.7	203.0	186.2	171.3	158.0	145.8	135.1	125.8	117.2	110.4
246	216.4	212.9	209.7	209.6	208.6	208.3	206.7	205.9	205.3	203.8	201.9	203.0	202.6	201.9
247	178.2	182.6	186.3	189.5	190.3	191.0	191.3	191.1	191.4	189.0	184.2	176.4	168.7	156.2
248	163.9	162.4	161.7	160.6	159.2	156.3	154.3	152.2	149.6	146.3	145.6	144.9	143.9	142.6
249	206.4	205.0	202.7	201.5	199.3	196.7	194.3	191.7	188.9	187.1	184.7	182.7	181.0	180.5
250	116.5	136.3	150.9	158.9	161.1	156.5	150.8	142.6	136.5	130.7	123.8	117.1	110.5	104.3
251	107.7	107.0	105.1	103.0	102.7	102.6	102.7	103.3	103.0	102.8	102.2	102.3	102.6	104.0
252	377.7	402.8	430.5	459.8	489.9	522.8	554.8	588.1	619.2	651.7	684.9	716.7	747.6	778.2

Table LXXXI: Ames Research Center 9x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1042	R: 1043	R: 1044	R: 1045	R: 1046	R: 1047	R: 1048	R: 1049	R: 1050	R: 1051	R: 1052	R: 1053	R: 1054
2	385.2	384.2	382.3	380.3	380.0	380.4	381.0	381.4	381.4	379.8	378.6	378.7	376.3
3	429.5	397.1	380.1	368.3	354.2	348.3	340.6	335.5	328.8	316.7	303.6	292.6	266.4
4	288.0	309.2	321.8	334.8	349.1	351.7	354.6	362.5	369.6	381.2	396.7	414.6	442.3
5	414.9	381.1	366.0	352.8	339.1	332.4	326.7	320.8	316.4	302.5	290.7	279.5	255.1
6	271.9	292.8	304.1	315.8	329.1	332.2	334.7	342.4	349.3	360.9	377.2	393.7	420.4
7	400.1	367.1	352.4	340.6	326.6	320.5	314.8	308.7	304.7	291.1	281.2	269.6	246.1
8	266.0	285.8	296.5	307.8	321.6	324.2	326.4	333.9	341.4	351.6	367.8	383.4	411.8
9	243.2	242.1	242.9	242.8	241.2	240.5	240.2	239.8	239.4	239.9	241.2	241.1	239.7
10	311.2	311.2	310.4	309.1	307.6	308.3	307.7	307.1	307.1	307.3	307.6	307.3	307.1
11	353.1	322.7	310.9	296.8	284.1	279.8	273.8	269.9	263.0	252.7	241.4	232.0	208.5
12	219.5	236.7	249.5	259.2	270.8	277.5	282.2	283.5	288.4	299.8	314.9	327.7	355.8
13	344.3	315.1	303.3	290.0	277.4	273.5	267.1	263.6	258.4	248.2	237.3	227.9	205.7
14	216.9	233.8	247.4	256.7	267.3	274.5	278.8	279.4	284.3	296.4	310.3	323.3	350.8
15	338.2	310.9	298.7	284.7	273.1	268.4	262.9	258.9	253.1	244.1	232.7	224.7	202.3
16	209.9	225.8	238.5	247.3	256.9	264.4	268.5	269.4	273.7	286.3	298.6	311.5	339.4
17	241.6	239.0	237.4	236.2	231.9	233.9	233.9	234.9	234.2	235.7	235.7	235.4	236.1
19	282.7	259.2	247.9	238.2	228.1	223.7	219.4	215.6	210.8	201.6	195.1	183.6	168.9
20	175.4	194.2	199.6	210.1	218.6	223.2	228.0	232.8	238.5	243.0	254.8	264.9	291.8
21	265.6	240.6	231.1	220.3	212.6	209.2	203.3	200.5	199.3	191.7	181.0	174.8	161.4
22	163.1	181.3	190.8	195.5	204.1	209.5	214.2	217.9	221.7	232.4	239.2	245.8	268.5
23	225.2	205.7	197.7	190.4	180.0	178.9	174.7	172.5	168.0	158.8	154.1	148.7	140.5
24	141.0	153.2	163.2	170.6	178.1	178.8	182.5	188.8	191.4	201.2	210.2	220.5	236.9
25	208.4	190.9	183.4	175.2	169.0	165.2	161.2	156.5	152.4	148.1	143.8	139.0	130.2
26	129.9	138.7	145.0	152.7	159.4	164.5	166.4	169.9	170.5	181.3	190.7	198.2	213.3
43	384.0	352.7	338.7	328.8	315.5	310.5	303.4	297.8	293.3	280.9	269.2	258.7	234.8
44	239.9	259.2	272.4	282.8	294.7	301.7	305.0	307.5	314.1	325.2	340.7	354.4	380.9
67	206.7	191.2	182.5	174.4	166.8	165.7	160.4	155.6	151.5	146.8	145.2	137.7	128.4
68	130.3	140.7	147.0	155.0	162.9	167.5	170.4	171.7	173.8	183.6	192.1	201.3	216.3
85	455.7	423.3	406.7	393.7	379.1	370.5	365.9	359.5	350.6	338.2	327.2	312.6	289.1
86	312.6	333.8	345.7	359.7	372.3	374.7	381.6	390.5	396.1	412.9	428.6	443.8	473.8
87	448.4	427.0	416.9	407.5	399.9	393.8	390.0	386.5	381.5	371.7	363.4	352.7	334.1
88	352.9	368.7	378.0	387.0	394.2	395.8	400.6	404.5	407.5	419.3	429.3	436.0	454.2
89	221.0	216.6	213.9	212.9	210.7	209.0	208.2	207.2	207.0	203.9	202.7	199.8	196.7
90	201.5	204.7	204.4	208.7	210.7	211.3	212.0	213.6	214.6	212.8	213.4	213.6	218.0
91	210.2	207.7	209.2	208.6	208.4	209.7	208.3	207.5	207.1	205.9	205.5	206.4	204.4
921	267.5	267.6	267.4	266.3	265.5	264.5	263.8	263.9	263.8	265.7	264.5	265.2	264.1

Table LXXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1042 Pi	R: 1043 Pi	R: 1044 Pi	R: 1045 Pi	R: 1046 Pi	R: 1047 Pi	R: 1048 Pi	R: 1049 Pi	R: 1050 Pi	R: 1051 Pi	R: 1052 Pi	R: 1053 Pi	R: 1054 Pi
922	424.1	425.4	422.4	422.0	421.2	421.0	421.5	421.8	421.4	420.8	420.4	419.5	417.6
93	304.8	303.9	304.3	302.7	300.6	300.8	300.8	300.6	299.9	300.3	300.9	298.9	299.9
94	409.3	411.1	412.4	411.5	412.3	412.6	413.5	414.6	415.5	416.7	416.5	417.4	416.6
95	221.4	221.5	220.5	221.7	223.0	223.3	222.2	220.4	221.0	220.4	221.3	222.3	222.0
125	233.9	215.4	206.7	196.8	189.0	185.1	181.8	178.1	176.3	168.0	158.6	154.8	146.4
126	151.6	166.9	174.5	183.6	187.3	191.9	196.1	200.9	203.6	212.3	222.3	227.5	247.2
128	184.6	188.4	188.3	188.4	189.4	189.4	188.6	188.6	189.0	187.4	186.2	184.7	188.2
132	164.8	166.4	167.5	168.4	169.2	169.8	170.1	170.3	169.2	168.6	168.4	168.8	172.1
201	685.9	688.0	685.3	682.6	679.0	679.3	679.5	679.9	679.0	679.7	678.2	673.2	666.5
202	839.7	843.9	840.4	839.2	832.9	835.4	833.9	834.3	834.1	835.2	833.4	827.0	818.1
203	938.3	943.4	939.6	937.9	934.3	935.3	932.5	935.2	936.1	934.0	932.3	924.9	917.4
204	982.0	987.2	979.7	980.8	977.3	978.7	975.7	980.3	979.5	974.9	972.0	968.7	960.2
205	949.7	955.6	947.4	950.0	947.1	949.2	946.5	948.7	948.3	944.4	940.4	938.1	930.7
206	862.3	867.5	861.9	862.5	861.2	861.6	862.6	863.0	861.2	857.4	854.0	850.5	843.8
207	764.4	766.7	762.1	764.2	762.2	764.0	762.4	763.1	763.4	761.5	758.4	756.4	749.8
208	689.6	691.3	687.3	687.8	687.3	686.9	686.3	687.0	687.9	685.1	684.0	681.2	675.4
209	829.1	797.9	780.3	761.3	747.1	738.7	732.9	725.4	716.6	698.4	682.4	666.6	635.5
210	922.6	897.7	881.8	865.2	855.6	847.8	843.2	839.6	830.4	815.6	800.3	786.7	760.4
211	985.0	973.8	959.4	952.7	945.9	942.4	937.4	939.5	931.6	922.7	912.1	902.2	881.7
212	911.2	932.7	936.4	941.4	945.4	949.4	951.7	954.1	960.9	961.1	964.4	968.9	972.1
213	799.7	828.7	840.1	846.0	856.4	862.3	869.7	873.5	881.8	890.9	899.7	909.3	925.6
214	660.6	695.2	713.2	721.9	736.2	743.0	750.6	758.5	766.3	782.4	795.9	808.4	836.3
215	264.1	262.4	261.7	259.3	258.3	257.0	256.6	256.1	256.1	257.2	256.1	255.8	253.5
216	463.7	430.8	416.2	400.6	387.6	380.3	374.8	367.8	359.4	347.1	336.6	321.1	296.8
217	316.5	339.2	352.2	366.0	378.7	380.1	388.4	396.3	401.7	418.2	434.3	449.7	479.9
218	430.7	426.6	423.2	421.0	419.0	418.7	418.2	418.8	417.7	415.0	412.8	409.8	406.5
219	264.3	242.3	229.7	219.8	212.4	208.4	202.4	199.3	195.3	189.0	176.9	170.0	157.8
220	162.1	179.4	189.4	193.5	203.5	209.1	214.7	217.4	220.7	231.8	239.3	247.5	270.3
221	207.6	190.8	181.6	173.2	166.6	162.1	158.1	154.7	153.3	147.9	142.7	141.0	128.9
222	127.7	136.4	143.2	149.2	157.8	161.1	165.0	169.6	172.1	177.1	187.3	195.4	216.4
223	202.3	184.1	180.0	170.9	162.0	158.0	154.6	151.4	150.1	146.3	139.2	136.8	123.9
224	124.6	134.9	139.4	145.5	154.0	157.7	161.7	167.2	170.0	173.6	183.0	192.5	210.5
225	191.4	192.5	192.7	192.8	192.1	191.0	189.0	190.8	190.7	191.2	191.3	191.5	188.9
226	391.6	393.1	391.9	390.2	390.2	390.1	389.0	390.7	390.9	390.0	391.1	391.3	387.1
227	443.7	444.6	443.3	440.8	440.3	439.8	440.3	442.1	442.1	442.2	442.0	442.7	440.6
228	516.6	519.2	517.0	514.0	513.2	513.9	514.2	515.3	514.7	514.4	513.8	515.2	509.1

Table LXXXI: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0.0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 1042	R: 1043	R: 1044	R: 1045	R: 1046	R: 1047	R: 1048	R: 1049	R: 1050	R: 1051	R: 1052	R: 1053	R: 1054
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	536.2	535.7	533.9	532.8	532.3	531.8	531.8	533.1	534.7	531.1	530.5	529.0	527.7
230	242.1	241.4	240.6	240.7	239.7	238.7	237.7	238.7	239.2	237.7	237.7	239.4	237.0
231	587.4	549.2	530.4	512.1	497.6	490.5	482.3	474.9	468.0	453.2	437.5	424.7	398.3
232	743.1	708.0	691.4	673.3	657.6	649.6	642.8	634.6	627.0	609.0	593.5	579.1	548.6
233	550.5	587.3	604.9	615.3	628.0	636.1	643.4	651.1	658.8	677.3	692.8	705.7	733.9
234	405.8	436.6	451.6	467.1	476.3	483.6	491.9	498.8	504.9	523.2	542.1	556.6	587.6
235	287.3	265.0	254.4	243.4	233.7	230.2	226.8	219.6	217.3	207.3	199.4	186.9	173.0
236	286.3	271.6	260.5	253.7	245.5	242.6	239.7	236.4	230.7	226.7	218.6	207.5	195.8
237	248.8	241.7	239.4	235.6	231.5	230.6	229.7	228.9	227.2	222.2	219.6	216.2	207.7
238	236.6	233.2	232.3	229.6	228.2	226.2	225.8	225.1	223.9	221.5	220.7	218.3	212.2
239	225.1	223.7	221.6	222.7	222.2	221.6	220.2	220.3	219.4	219.1	218.4	218.5	216.8
240	167.5	168.5	168.0	173.8	174.8	175.3	175.0	175.2	174.3	173.6	171.6	167.8	164.4
241	213.9	204.5	197.5	191.2	187.4	184.4	180.3	178.0	176.2	170.7	166.5	162.6	151.5
242	48.3	48.4	47.8	47.1	47.3	47.2	47.1	47.2	46.9	45.9	46.7	46.9	48.5
243	121.3	121.5	122.4	121.6	119.9	120.0	120.0	120.9	121.4	121.7	121.2	120.0	120.3
244	184.1	183.4	184.6	185.9	185.8	187.0	186.3	186.2	185.3	183.7	182.0	182.3	182.7
245	186.7	186.4	186.7	188.4	187.9	187.6	187.5	187.2	185.1	185.4	185.2	185.9	183.4
246	292.0	267.6	256.1	243.8	233.9	230.7	225.7	222.1	218.0	207.0	199.4	191.0	173.9
247	269.9	246.7	236.4	226.7	218.8	214.8	208.8	203.9	200.9	192.0	181.8	171.2	159.3
248	217.6	201.0	193.3	183.3	175.8	173.0	170.8	166.8	163.3	154.7	150.4	145.5	135.7
249	141.9	150.7	159.2	165.7	173.7	176.2	176.8	181.4	186.5	193.4	201.7	210.1	224.5
250	193.4	180.4	172.4	165.8	158.5	155.0	152.4	153.0	152.7	150.5	150.7	147.7	143.7
251	138.7	128.7	120.9	114.0	111.1	108.2	107.3	106.4	103.7	102.6	97.5	93.3	86.0
252	557.1	557.0	554.8	554.4	554.6	554.8	554.5	555.8	557.1	554.6	553.6	551.5	549.7

Table LXXXII: Ames Research Center 9x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	-2.0°	0.0°
	R: 1057 P: 1056	R: 1056 P: 1056
2	440.6	441.5
3	373.5	342.1
4	332.3	356.4
5	352.3	323.2
6	307.9	330.8
7	335.4	307.3
8	297.1	317.8
9	203.9	202.4
10	363.2	361.7
11	299.9	272.5
12	257.0	283.3
13	293.4	268.4
14	253.3	279.3
15	281.2	258.1
16	241.3	264.9
17	203.9	198.8
19	239.9	220.5
20	208.9	229.6
21	227.6	207.3
22	196.8	216.6
23	192.2	175.0
24	165.2	180.1
25	175.8	159.2
26	148.3	165.9
43	338.6	309.7
44	286.2	312.3
67	178.9	162.3
68	153.3	171.3
85	389.4	358.9
86	352.0	376.9
87	450.3	431.5
88	425.3	442.9
89	253.7	248.6
90	247.3	253.5
91	249.7	250.3
921	228.4	222.7

Table LXXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	-2.0°	0.0°
	R: 1057 Pi	R: 1056 Pi
922	480.8	480.7
93	355.5	353.5
94	473.1	476.0
95	263.8	265.5
125	191.9	175.5
126	174.8	189.9
128	161.3	161.0
132	199.0	201.9
201	616.4	614.7
202	785.8	783.2
203	902.6	899.0
204	972.6	968.4
205	969.7	968.5
206	905.0	905.6
207	818.2	819.5
208	746.1	747.5
209	751.5	718.8
210	858.9	830.5
211	945.7	928.1
212	930.0	941.3
213	834.3	856.6
214	707.8	736.7
215	220.6	218.2
216	405.1	376.3
217	364.7	389.3
218	482.1	478.3
219	225.4	203.6
220	194.0	214.8
221	177.4	158.1
222	147.3	166.1
223	174.2	156.3
224	144.1	163.3
225	162.7	161.1
226	336.8	334.7
227	383.2	381.2
228	443.1	440.8

Table LXXXII: Ames Research Center 9x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	-2.0°	0.0°
	R: 1057 Pi	R: 1056 Pi
229	596.9	595.9
230	286.3	284.1
231	504.9	472.3
232	660.6	626.7
233	600.8	627.5
234	451.4	479.8
235	255.0	234.5
236	284.4	266.9
237	277.8	270.4
238	273.7	267.9
239	265.7	263.8
240	204.7	209.9
241	218.5	201.8
242	43.0	43.4
243	103.5	102.2
244	157.7	158.1
245	158.9	159.4
246	244.1	223.0
247	230.9	208.5
248	180.5	165.0
249	159.5	171.1
250	156.8	142.9
251	116.2	108.6
252	621.8	622.4

Table LXXXIII: Run Schedule/Table Reference
Ames 8x7 Tunnel 10% Model

α	β	ϕ	q	Side Probe	Mach Number			
					2.5	2.7	3.0	3.5
A	0	0	max	*		53 XCIX	43 CXIV	42 CXXX
A	-2	0	nom	*	63 ⁽¹⁾ LXXXV ⁽²⁾	56 C	47 CXV	35 CXXXI
A	0	0	nom	*	64 LXXXVI	57 CI	50 CXVI	38 CXXXII
A	2	0	nom	*	65 LXXXVII	58 CII	48 CXVII	39 CXXXIII
A	6	0	nom	*	66 LXXXVIII	59 CIII	49 CXVIII	40 CXXXIV
10	B	0	nom	*	67 LXXXIX	60 CIV	51 CXIX	41 CXXXV
14	E	0	nom	*	68 XC	61 CV	52 CXX	36 CXXXVI
0	B	0	nom	*	62 XCI	55 CVI	46 CXXI	34 CXXXVII
0	B	180	nom	*	18 XCII	17 CVII	16 CXXII	15 CXXXVIII
0	C	90	nom	*	31 XCIII	32 CVIII	29 CXXIII	28 CXXXIX
0	D	270	nom	*	26 XCIV	25 CIX	24 CXXIV	23 CXL
A	0	0	max				81 CXXV	73 CXLI
A	0	0	nom		86 XCV	82 CX	76 CXXVI	71 CXLI
A	2	0	nom		87 XCVI	83 CXI	77 CXXVII	72 CXLI
10	B	0	nom		88 XCVII	84 CXII	79 CXXVIII	74 CXLI
14	F	0	nom		92 XCVIII	90 CXIII	80 CXXIX	75 CXLI

A $\alpha = -2, 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24$
B $\beta = -6, -4, -3, -2, -1, -0.5, 0.5, 1, 2, 3, 4, 6$
C $\beta = -3, -2, -1, 0, 1, 2, 3, 4, 6$
D $\beta = -6, -4, -3, -2, -1, 0, 1, 2, 3$
E $\beta = -2, 0, 2, 6$
F $\beta = 0, 2$

(1) - Arabic Numerals = Run Numbers
(2) - Roman Numerals = Table Numbers
* = Side Probes On

Table LXXXIV: Data Summary - Ames 8x7 Tunnel - 10% Model

Ref	Run	Point	M _∞	α	β	φ	P _{t1}	q _∞	P _∞	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
1	15	1	3.48	.1	4.4	180	3215.10	367.020	43.245	695.390
2	15	2	3.48	.0	3.9	180	3215.80	367.100	43.254	695.540
3	15	3	3.48	.0	3.3	180	3215.10	367.020	43.245	695.390
4	15	4	3.48	.0	2.8	180	3214.40	366.940	43.235	695.240
5	15	5	3.48	.0	2.2	180	3213.00	366.790	43.217	694.950
6	15	6	3.48	.0	1.6	180	3211.70	366.630	43.199	694.650
7	15	7	3.48	.0	1.1	180	3210.30	366.480	43.180	694.360
8	15	8	3.48	.0	.5	180	3215.10	367.020	43.245	695.390
9	15	9	3.48	.0	-.0	180	3213.70	366.870	43.226	695.100
10	15	10	3.48	.0	-.6	180	3211.00	366.550	43.190	694.510
11	15	11	3.48	-.0	-1.2	180	3213.70	366.870	43.226	695.100
12	15	12	3.48	-.0	-1.7	180	3211.70	366.630	43.199	694.650
13	15	13	3.48	-.0	-2.3	180	3213.00	366.790	43.217	694.950
14	15	14	3.48	-.0	-2.9	180	3210.30	366.480	43.180	694.360
15	15	15	3.48	-.0	-3.4	180	3213.00	366.790	43.217	694.950
16	15	16	3.48	-.0	-4.0	180	3215.10	367.020	43.245	695.390
17	15	17	3.48	-.1	-4.6	180	3213.70	366.870	43.226	695.100
18	15	18	3.48	-.1	-6.8	180	3211.70	366.630	43.199	694.650
19	15	19	3.48	.0	-2.9	180	3211.70	366.630	43.199	694.650
20	15	20	3.48	.0	-.1	180	3213.00	366.790	43.217	694.950
21	15	21	3.48	.1	2.7	180	3208.30	366.240	43.153	693.920
22	15	22	3.48	.1	6.7	180	3207.60	366.170	43.144	693.770
23	16	1	3.02	-.0	4.5	180	2850.40	480.680	75.280	919.740
24	16	2	3.02	-.0	4.0	180	2849.00	480.450	75.243	919.290
25	16	3	3.02	-.1	3.4	180	2848.30	480.330	75.225	919.070
26	16	4	3.02	-.1	2.8	180	2849.70	480.560	75.261	919.510
27	16	5	3.02	-.1	2.2	180	2849.70	480.560	75.261	919.510
28	16	6	3.02	-.1	1.6	180	2849.00	480.450	75.243	919.290
29	16	7	3.02	-.1	1.0	180	2849.00	480.450	75.243	919.290
30	16	8	3.02	-.1	.5	180	2847.60	480.210	75.206	918.840
31	16	9	3.02	-.1	-.1	180	2849.00	480.450	75.243	919.290
32	16	10	3.02	-.1	-.8	180	2849.70	480.560	75.261	919.510
33	16	11	3.02	-.1	-1.3	180	2848.30	480.330	75.225	919.070
34	16	12	3.02	-.1	-1.9	180	2848.30	480.330	75.225	919.070
35	16	13	3.02	-.1	-2.5	180	2848.30	480.330	75.225	919.070
36	16	14	3.02	-.1	-3.1	180	2844.80	479.750	75.133	917.950
37	16	15	3.02	-.1	-3.7	180	2846.90	480.100	75.188	918.620
38	16	16	3.02	-.1	-4.3	180	2846.90	480.100	75.188	918.620
39	16	17	3.02	-.1	-4.9	180	2847.60	480.210	75.206	918.840
40	16	18	3.02	-.2	-7.2	180	2850.40	480.680	75.280	919.740
41	16	19	3.02	-.1	-3.2	180	2849.00	480.450	75.243	919.290
42	16	20	3.02	-.0	-.2	180	2845.50	479.860	75.152	918.180
43	16	21	3.02	-.0	2.8	180	2851.00	480.800	75.298	919.960
44	16	22	3.02	-.0	6.9	180	2847.60	480.210	75.206	918.840
45	17	1	2.66	.0	4.2	180	2209.80	499.560	100.790	966.910
46	17	2	2.66	-.0	3.7	180	2210.50	499.720	100.820	967.210
47	17	3	2.66	-.0	3.2	180	2210.50	499.720	100.820	967.210
48	17	4	2.66	-.0	2.7	180	2210.50	499.720	100.820	967.210
49	17	5	2.66	-.0	2.1	180	2210.50	499.720	100.820	967.210
50	17	6	2.66	-.0	1.6	180	2210.50	499.720	100.820	967.210
51	17	7	2.66	-.0	1.0	180	2210.50	499.720	100.820	967.210
52	17	8	2.66	-.0	.5	180	2209.80	499.560	100.790	966.910
53	17	9	2.66	-.0	-.0	180	2209.80	499.560	100.790	966.910
54	17	10	2.66	-.0	-.6	180	2209.80	499.560	100.790	966.910
55	17	11	2.66	-.0	-1.1	180	2209.80	499.560	100.790	966.910
56	17	12	2.66	-.1	-1.7	180	2209.80	499.560	100.790	966.910
57	17	13	2.66	-.1	-2.2	180	2209.80	499.560	100.790	966.910
58	17	14	2.66	-.1	-2.8	180	2209.80	499.560	100.790	966.910
59	17	15	2.66	-.1	-3.3	180	2209.10	499.410	100.760	966.610
60	17	16	2.66	-.1	-3.9	180	2209.80	499.560	100.790	966.910
61	17	17	2.66	-.1	-4.4	180	2209.10	499.410	100.760	966.610
62	17	18	2.66	-.1	-6.5	180	2209.80	499.560	100.790	966.910

Table LXXXIV(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
63	17	19	2.66	-0	-2.8	180	2209.80	499.560	100.790	966.910
64	17	20	2.66	-0	-1	180	2209.80	499.560	100.790	966.910
65	17	21	2.66	.0	2.6	180	2209.80	499.560	100.790	966.910
66	17	22	2.66	.0	6.4	180	2209.80	499.560	100.790	966.910
67	18	1	2.46	.0	4.2	180	1897.30	499.580	117.660	975.330
68	18	3	2.46	-0	3.2	180	1900.10	500.310	117.830	976.750
69	18	4	2.46	-0	2.6	180	1898.70	499.940	117.750	976.040
70	18	5	2.46	-0	2.1	180	1900.80	500.490	117.880	977.100
71	18	6	2.46	-0	1.6	180	1899.40	500.130	117.790	976.390
72	18	7	2.46	-0	1.0	180	1899.40	500.130	117.790	976.390
73	18	8	2.46	-0	.5	180	1900.10	500.310	117.830	976.750
74	18	9	2.46	-0	-0	180	1900.80	500.490	117.880	977.100
75	18	10	2.46	-0	-6	180	1899.40	500.130	117.790	976.390
76	18	11	2.46	-1	-1.2	180	1898.70	499.940	117.750	976.040
77	18	12	2.46	-1	-1.7	180	1900.80	500.490	117.880	977.100
78	18	13	2.46	-1	-2.2	180	1898.70	499.940	117.750	976.040
79	18	14	2.46	-1	-2.7	180	1899.40	500.130	117.790	976.390
80	18	15	2.46	-1	-3.3	180	1900.10	500.310	117.830	976.750
81	18	16	2.46	-1	-3.8	180	1898.70	499.940	117.750	976.040
82	18	17	2.46	-1	-4.3	180	1901.50	500.670	117.920	977.460
83	18	18	2.46	-1	-6.5	180	1899.40	500.130	117.790	976.390
84	18	19	2.46	-0	-3.6	180	1899.40	500.130	117.790	976.390
85	18	20	2.46	.0	-3	180	1899.40	500.130	117.790	976.390
86	18	21	2.46	.0	2.6	180	1900.10	500.310	117.830	976.750
87	18	22	2.46	.0	6.3	180	1899.40	500.130	117.790	976.390
88	23	2	3.48	-1	2.6	270	3215.80	367.230	43.280	695.790
89	23	3	3.48	-0	2.1	270	3215.80	367.230	43.280	695.790
90	23	4	3.48	-0	1.6	270	3213.10	366.920	43.243	695.200
91	23	5	3.48	-0	1.1	270	3213.80	367.000	43.252	695.350
92	23	6	3.48	-1	.6	270	3214.50	367.080	43.261	695.500
93	23	7	3.48	-1	.1	270	3214.50	367.080	43.261	695.500
94	23	8	3.48	-1	-.4	270	3214.50	367.080	43.261	695.500
95	23	9	3.48	-1	-.9	270	3214.50	367.080	43.261	695.500
96	23	10	3.48	-1	-1.4	270	3214.50	367.080	43.261	695.500
97	23	11	3.48	-1	-1.9	270	3213.80	367.000	43.252	695.350
98	23	12	3.48	-1	-2.4	270	3211.70	366.760	43.224	694.910
99	23	13	3.48	-1	-2.9	270	3209.70	366.530	43.197	694.470
100	23	14	3.48	-1	-3.9	270	3211.00	366.690	43.215	694.760
101	23	15	3.48	-2	-5.9	270	3213.10	366.920	43.243	695.200
102	23	16	3.48	-1	-2.5	270	3207.00	366.220	43.160	693.880
103	23	17	3.48	-1	.1	270	3215.80	367.230	43.280	695.790
104	23	18	3.48	-1	2.6	270	3211.70	366.760	43.224	694.910
105	23	19	3.48	-1	-2.4	270	3211.70	366.760	43.224	694.910
106	23	20	3.48	-1	-2.9	270	3210.40	366.610	43.206	694.610
107	24	1	3.02	-0	2.6	270	2851.80	480.800	75.284	919.960
108	24	2	3.02	.0	2.1	270	2852.50	480.920	75.302	920.180
109	24	3	3.02	.0	1.6	270	2851.10	480.680	75.265	919.730
110	24	4	3.02	.0	1.1	270	2848.30	480.220	75.192	918.840
111	24	5	3.02	.0	.6	270	2854.50	481.270	75.357	920.850
112	24	6	3.02	.0	.1	270	2851.80	480.800	75.284	919.960
113	24	7	3.02	-0	-.4	270	2849.70	480.450	75.229	919.290
114	24	8	3.02	-0	-.9	270	2854.50	481.270	75.357	920.850
115	24	9	3.02	-0	-1.4	270	2849.70	480.450	75.229	919.290
116	24	10	3.02	-0	-1.9	270	2850.40	480.570	75.247	919.510
117	24	11	3.02	-0	-2.5	270	2852.50	480.920	75.302	920.180
118	24	12	3.02	-0	-3.0	270	2851.80	480.800	75.284	919.960
119	24	13	3.02	-0	-4.0	270	2851.80	480.800	75.284	919.960
120	24	14	3.02	-1	-6.0	270	2851.10	480.680	75.265	919.730
121	24	15	3.02	-1	-2.5	270	2851.10	480.680	75.265	919.730
122	24	16	3.02	-1	.0	270	2851.10	480.680	75.265	919.730
123	24	17	3.02	-0	2.6	270	2850.40	480.570	75.247	919.510
124	25	1	2.66	-2	2.6	270	2207.00	499.170	100.750	966.180

Table LXXXIV(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
125	25	2	2.66	-.1	2.2	270	2207.70	499.330	100.780	966.480
126	25	3	2.66	-.1	1.6	270	2207.70	499.330	100.780	966.480
127	25	4	2.66	-.1	1.2	270	2207.70	499.330	100.780	966.480
128	25	5	2.66	-.1	.6	270	2207.70	499.330	100.780	966.480
129	25	6	2.66	-.1	.1	270	2207.00	499.170	100.750	966.180
130	25	7	2.66	-.1	-.4	270	2207.00	499.170	100.750	966.180
131	25	8	2.66	-.1	-.9	270	2207.00	499.170	100.750	966.180
132	25	9	2.66	-.1	-1.4	270	2207.00	499.170	100.750	966.180
133	25	10	2.66	-.1	-1.9	270	2207.00	499.170	100.750	966.180
134	25	11	2.66	-.1	-2.4	270	2207.00	499.170	100.750	966.180
135	25	12	2.66	-.1	-2.9	270	2207.00	499.170	100.750	966.180
136	25	13	2.66	-.1	-4.0	270	2207.00	499.170	100.750	966.180
137	25	14	2.66	-.2	-6.0	270	2207.00	499.170	100.750	966.180
138	25	15	2.66	-.2	-2.5	270	2207.00	499.170	100.750	966.180
139	25	16	2.66	-.2	.1	270	2206.30	499.020	100.720	965.880
140	25	17	2.66	-.2	2.6	270	2206.30	499.020	100.720	965.880
141	26	1	2.46	-.2	2.6	270	1904.30	501.710	118.240	979.530
142	26	2	2.46	-.1	2.2	270	1902.90	501.350	118.160	978.820
143	26	3	2.46	-.1	1.7	270	1903.60	501.530	118.200	979.180
144	26	4	2.46	-.1	1.2	270	1903.60	501.530	118.200	979.180
145	26	5	2.46	-.1	.6	270	1902.90	501.350	118.160	978.820
146	26	6	2.46	-.1	.1	270	1902.20	501.170	118.120	978.470
147	26	7	2.46	-.1	-.4	270	1901.50	500.990	118.070	978.110
148	26	8	2.46	-.1	-.9	270	1903.60	501.530	118.200	979.180
149	26	9	2.46	-.1	-1.4	270	1902.20	501.170	118.120	978.470
150	26	10	2.46	-.1	-1.9	270	1904.30	501.710	118.240	979.530
151	26	11	2.46	-.1	-2.4	270	1902.20	501.170	118.120	978.470
152	26	12	2.46	-.1	-2.9	270	1904.30	501.710	118.240	979.530
153	26	13	2.46	-.1	-4.0	270	1901.50	500.990	118.070	978.110
154	26	14	2.46	-.2	-6.0	270	1904.30	501.710	118.240	979.530
155	26	15	2.46	-.2	-2.5	270	1900.80	500.800	118.030	977.760
156	26	16	2.46	-.2	.1	270	1902.90	501.350	118.160	978.820
157	26	17	2.46	-.2	2.6	270	1902.90	501.350	118.160	978.820
158	28	1	3.48	-.2	-2.6	90	3215.20	367.260	43.291	695.850
159	28	2	3.48	-.3	-2.2	90	3217.20	367.490	43.319	696.290
160	28	3	3.48	-.3	-1.6	90	3213.80	367.110	43.273	695.560
161	28	4	3.48	-.3	-1.2	90	3215.20	367.260	43.291	695.850
162	28	5	3.48	-.2	-.6	90	3215.90	367.340	43.300	696.000
163	28	6	3.48	-.2	-.1	90	3216.50	367.420	43.309	696.150
164	28	7	3.48	-.2	.4	90	3215.90	367.340	43.300	696.000
165	28	8	3.48	-.2	.9	90	3213.10	367.030	43.264	695.410
166	28	9	3.48	-.2	1.4	90	3213.80	367.110	43.273	695.560
167	28	10	3.48	-.2	1.9	90	3213.80	367.110	43.273	695.560
168	28	11	3.48	-.2	2.4	90	3215.90	367.340	43.300	696.000
169	28	12	3.48	-.2	2.9	90	3214.50	367.180	43.282	695.700
170	28	13	3.48	-.1	3.9	90	3213.10	367.030	43.264	695.410
171	28	14	3.48	-.1	5.9	90	3213.10	367.030	43.264	695.410
172	28	15	3.48	-.1	2.5	90	3208.40	366.480	43.199	694.380
173	28	16	3.48	-.2	-.1	90	3217.90	367.570	43.328	696.440
174	28	17	3.48	-.2	-2.6	90	3213.10	367.030	43.264	695.410
175	29	1	3.02	-.3	-2.6	90	2851.80	480.650	75.241	919.660
176	29	2	3.02	-.4	-2.1	90	2852.50	480.770	75.259	919.890
177	29	3	3.02	-.4	-1.6	90	2853.20	480.880	75.277	920.110
178	29	4	3.02	-.4	-1.1	90	2853.90	481.000	75.295	920.330
179	29	5	3.02	-.4	-.6	90	2853.90	481.000	75.295	920.330
180	29	6	3.02	-.4	-.1	90	2852.50	480.770	75.259	919.890
181	29	7	3.02	-.4	.4	90	2851.80	480.650	75.241	919.660
182	29	8	3.02	-.4	.9	90	2851.80	480.650	75.241	919.660
183	29	9	3.02	-.4	1.4	90	2853.20	480.880	75.277	920.110
184	29	10	3.02	-.3	1.9	90	2854.60	481.120	75.314	920.550
185	29	11	3.02	-.3	2.5	90	2853.90	481.000	75.295	920.330
186	29	12	3.02	-.3	3.0	90	2853.20	480.880	75.277	920.110

Table LXXXIV(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
187	29	13	3.02	-3	4.0	90	2853.20	480.880	75.277	920.110
188	29	14	3.02	-3	6.0	90	2853.20	480.880	75.277	920.110
189	29	15	3.02	-3	2.5	90	2853.90	481.000	75.295	920.330
190	29	16	3.02	-3	-0	90	2851.80	480.650	75.241	919.660
191	29	17	3.02	-3	-2.6	90	2852.50	480.770	75.259	919.890
192	31	1	2.46	-2	-2.6	90	1903.90	503.780	119.290	983.860
193	31	2	2.46	-3	-2.1	90	1902.90	501.240	118.110	978.600
194	31	3	2.46	-3	-1.6	90	1902.20	501.060	118.060	978.250
195	31	4	2.46	-3	-1.1	90	1902.90	501.240	118.110	978.600
196	31	5	2.46	-3	-0.6	90	1900.10	500.520	117.940	977.190
197	31	6	2.46	-3	-0.1	90	1902.90	501.240	118.110	978.600
198	31	7	2.46	-2	.4	90	1901.50	500.880	118.020	977.890
199	31	8	2.46	-2	.9	90	1902.20	501.060	118.060	978.250
200	31	9	2.46	-2	1.4	90	1902.20	501.060	118.060	978.250
201	31	10	2.46	-2	1.9	90	1901.50	500.880	118.020	977.890
202	31	11	2.46	-2	2.4	90	1900.80	500.700	117.980	977.540
203	31	12	2.46	-2	3.0	90	1902.20	501.060	118.060	978.250
204	31	13	2.46	-2	4.0	90	1900.10	500.520	117.940	977.190
205	31	14	2.46	-1	6.0	90	1901.50	500.880	118.020	977.890
206	31	15	2.46	-2	2.5	90	1900.80	500.700	117.980	977.540
207	31	16	2.46	-2	-0	90	1900.80	500.700	117.980	977.540
208	31	17	2.46	-2	-2.6	90	1900.80	500.700	117.980	977.540
209	32	1	2.65	-2	-2.6	90	2208.40	503.730	102.500	975.410
210	32	2	2.66	-3	-2.1	90	2209.80	499.660	100.830	967.110
211	32	3	2.66	-3	-1.6	90	2210.50	499.820	100.860	967.410
212	32	4	2.66	-3	-1.1	90	2209.80	499.660	100.830	967.110
213	32	5	2.66	-3	-0.6	90	2209.80	499.660	100.830	967.110
214	32	6	2.66	-3	-0.1	90	2209.80	499.660	100.830	967.110
215	32	7	2.66	-2	.4	90	2209.10	499.510	100.800	966.810
216	32	8	2.66	-2	.9	90	2209.80	499.660	100.830	967.110
217	32	9	2.66	-2	1.4	90	2209.10	499.510	100.800	966.810
218	32	10	2.66	-2	1.9	90	2209.10	499.510	100.800	966.810
219	32	11	2.66	-2	2.4	90	2209.10	499.510	100.800	966.810
220	32	12	2.66	-2	3.0	90	2209.10	499.510	100.800	966.810
221	32	13	2.66	-2	4.0	90	2209.10	499.510	100.800	966.810
222	32	14	2.66	-1	6.0	90	2209.10	499.510	100.800	966.810
223	32	15	2.66	-2	2.5	90	2209.10	499.510	100.800	966.810
224	32	16	2.66	-2	-0	90	2209.10	499.470	100.780	966.750
225	32	17	2.66	-2	-2.6	90	2208.40	499.320	100.750	966.450
226	34	1	3.48	-3	-4.4	0	3218.50	369.230	43.650	699.640
227	34	2	3.48	-2	-3.9	0	3217.80	367.410	43.297	696.130
228	34	3	3.48	-2	-3.3	0	3215.10	367.100	43.260	695.540
229	34	4	3.48	-2	-2.8	0	3215.10	367.100	43.260	695.540
230	34	5	3.48	-2	-2.2	0	3216.50	367.260	43.278	695.840
231	34	6	3.48	-2	-1.6	0	3215.10	367.100	43.260	695.540
232	34	7	3.48	-2	-1.1	0	3217.80	367.410	43.297	696.130
233	34	8	3.48	-2	-0.5	0	3214.40	367.020	43.251	695.400
234	34	9	3.48	-2	.0	0	3213.10	366.870	43.232	695.100
235	34	10	3.48	-2	.6	0	3215.10	367.100	43.260	695.540
236	34	11	3.48	-2	1.2	0	3215.80	367.180	43.269	695.690
237	34	12	3.48	-2	1.7	0	3215.80	367.180	43.269	695.690
238	34	13	3.48	-2	2.3	0	3216.50	367.260	43.278	695.840
239	34	14	3.48	-2	2.9	0	3214.40	367.020	43.251	695.400
240	34	15	3.48	-2	3.4	0	3214.40	367.020	43.251	695.400
241	34	16	3.48	-2	4.0	0	3215.80	367.180	43.269	695.690
242	34	17	3.48	-2	4.5	0	3208.30	366.320	43.168	694.070
243	34	18	3.48	-1	6.8	0	3216.50	367.260	43.278	695.840
244	34	19	3.48	-2	2.9	0	3214.40	367.020	43.251	695.400
245	34	20	3.48	-3	.1	0	3208.30	366.320	43.168	694.070
246	34	21	3.48	-3	-2.7	0	3214.40	367.020	43.251	695.400
247	34	22	3.48	-3	-6.7	0	3216.50	367.260	43.278	695.840
248	35	1	3.48	-2.2	-2.2	0	3213.80	366.940	43.242	695.250

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
249	35	2	3.48	-2	-2.2	0	3215.80	367.180	43.269	695.690
250	35	3	3.48	1.8	-2.2	0	3215.10	367.100	43.260	695.540
251	35	4	3.48	3.8	-2.2	0	3213.80	366.940	43.242	695.250
252	35	5	3.48	5.8	-2.3	0	3213.80	366.940	43.242	695.250
253	35	6	3.48	7.9	-2.3	0	3213.10	366.870	43.232	695.100
254	35	7	3.48	10.0	-2.3	0	3213.80	366.940	43.242	695.250
255	35	8	3.48	12.0	-2.3	0	3215.10	367.100	43.260	695.540
256	35	9	3.48	14.0	-2.2	0	3213.80	366.940	43.242	695.250
257	35	10	3.48	16.0	-2.3	0	3214.40	367.020	43.251	695.400
258	35	11	3.48	18.0	-2.3	0	3213.80	366.940	43.242	695.250
259	35	12	3.48	20.1	-2.3	0	3213.10	366.870	43.232	695.100
260	35	13	3.48	22.1	-2.4	0	3214.40	367.020	43.251	695.400
261	35	14	3.48	24.1	-2.3	0	3214.40	367.020	43.251	695.400
262	35	15	3.48	14.0	-2.2	0	3214.40	367.020	43.251	695.400
263	36	1	3.48	14.0	-2.2	0	3213.10	366.870	43.232	695.100
264	36	2	3.48	14.0	-1	0	3212.40	366.790	43.223	694.950
265	36	3	3.48	14.1	2.1	0	3212.40	366.790	43.223	694.950
266	36	4	3.48	14.1	6.6	0	3213.80	366.940	43.242	695.250
267	38	1	3.48	-2.2	-1	0	3219.20	367.570	43.315	696.430
268	38	2	3.48	-3	-1	0	3218.50	367.490	43.306	696.280
269	38	3	3.48	1.6	-1	0	3217.20	367.330	43.287	695.990
270	38	4	3.48	3.6	-1	0	3217.20	367.330	43.287	695.990
271	38	5	3.48	5.6	-1	0	3219.20	367.570	43.315	696.430
272	38	6	3.48	7.7	-1	0	3217.20	367.330	43.287	695.990
273	38	7	3.48	9.7	-1	0	3219.20	367.570	43.315	696.430
274	38	8	3.48	11.8	-1	0	3210.30	366.560	43.196	694.510
275	38	9	3.48	13.9	-1	0	3220.60	367.720	43.333	696.720
276	38	10	3.48	16.0	-1	0	3215.10	367.100	43.260	695.540
277	38	11	3.48	18.0	-1	0	3216.50	367.260	43.278	695.840
278	38	12	3.48	20.1	-1	0	3217.20	367.330	43.287	695.990
279	38	13	3.48	22.1	-1	0	3213.80	366.940	43.242	695.250
280	38	14	3.48	24.1	-0	0	3213.80	366.940	43.242	695.250
281	38	15	3.48	14.0	-1	0	3216.50	367.260	43.278	695.840
282	39	1	3.48	-2.2	2.2	0	3214.40	367.020	43.251	695.400
283	39	2	3.48	-3	2.2	0	3215.80	367.180	43.269	695.690
284	39	3	3.48	1.7	2.2	0	3217.20	367.330	43.287	695.990
285	39	4	3.48	3.6	2.3	0	3217.20	367.330	43.287	695.990
286	39	5	3.48	5.7	2.3	0	3216.50	367.260	43.278	695.840
287	39	6	3.48	7.7	2.3	0	3215.80	367.180	43.269	695.690
288	39	7	3.48	9.9	2.4	0	3215.80	367.180	43.269	695.690
289	39	8	3.48	12.1	2.3	0	3215.80	367.180	43.269	695.690
290	39	9	3.48	14.2	2.2	0	3215.80	367.180	43.269	695.690
291	39	10	3.48	16.3	2.2	0	3215.10	367.100	43.260	695.540
292	39	11	3.48	18.3	2.2	0	3215.80	367.180	43.269	695.690
293	39	12	3.48	20.3	2.1	0	3215.10	367.100	43.260	695.540
294	39	13	3.48	22.3	2.2	0	3213.10	366.870	43.232	695.100
295	39	14	3.48	24.1	2.1	0	3213.80	366.940	43.242	695.250
296	39	15	3.48	14.2	2.2	0	3214.40	367.020	43.251	695.400
297	40	1	3.48	-1.8	6.9	0	3215.10	367.100	43.260	695.540
298	40	2	3.48	-3	6.6	0	3215.80	367.180	43.269	695.690
299	40	3	3.48	1.7	6.7	0	3213.80	366.940	43.242	695.250
300	40	4	3.48	3.7	6.8	0	3214.40	367.020	43.251	695.400
301	40	5	3.48	5.8	6.9	0	3213.10	366.870	43.232	695.100
302	40	6	3.48	7.9	6.9	0	3213.80	366.940	43.242	695.250
303	40	7	3.48	10.0	6.9	0	3213.10	366.870	43.232	695.100
304	40	8	3.48	12.1	6.9	0	3213.80	366.940	43.242	695.250
305	40	9	3.48	14.2	6.8	0	3215.80	367.180	43.269	695.690
306	40	10	3.48	16.3	6.8	0	3215.10	367.100	43.260	695.540
307	40	11	3.48	18.3	6.7	0	3215.10	367.100	43.260	695.540
308	40	12	3.48	20.3	6.7	0	3215.80	367.180	43.269	695.690
309	40	13	3.48	22.2	6.7	0	3216.50	367.260	43.278	695.840
310	40	14	3.48	24.2	6.6	0	3215.80	367.180	43.269	695.690

Table LXXXIV(continued)

Ref	Run	Point	M _∞	α	β	φ	P _{t₁}	q _∞	P _∞	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
311	40	15	3.48	14.2	6.8	0	3216.50	367.260	43.278	695.840
312	41	1	3.48	9.9	-6.9	0	3215.10	367.100	43.260	695.540
313	41	2	3.48	9.9	-4.7	0	3214.40	367.020	43.251	695.400
314	41	3	3.48	9.9	-3.6	0	3215.10	367.100	43.260	695.540
315	41	4	3.48	9.9	-2.5	0	3215.80	367.180	43.269	695.690
316	41	5	3.48	9.8	-1.3	0	3213.10	366.870	43.232	695.100
317	41	6	3.48	9.7	-.7	0	3213.10	366.870	43.232	695.100
318	41	7	3.48	9.7	-.0	0	3213.10	366.870	43.232	695.100
319	41	8	3.48	9.7	.6	0	3213.80	366.940	43.242	695.250
320	41	9	3.48	9.8	1.2	0	3213.10	366.870	43.232	695.100
321	41	10	3.48	9.9	2.4	0	3214.40	367.020	43.251	695.400
322	41	11	3.48	9.9	3.5	0	3213.80	366.940	43.242	695.250
323	41	12	3.48	10.0	4.6	0	3213.80	366.940	43.242	695.250
324	41	13	3.48	10.0	6.8	0	3213.10	366.870	43.232	695.100
325	41	14	3.48	9.8	-.1	0	3214.40	367.020	43.251	695.400
326	42	1	3.48	-2.2	-.1	0	2574.10	293.910	34.635	556.880
327	42	2	3.48	-.3	-.1	0	2572.10	293.680	34.608	556.430
328	42	3	3.48	1.7	-.1	0	2570.70	293.520	34.590	556.140
329	42	4	3.48	3.6	-.1	0	2570.70	293.520	34.590	556.140
330	42	5	3.48	5.6	-.1	0	2571.40	293.600	34.599	556.290
331	42	6	3.48	7.7	-.1	0	2570.70	293.520	34.590	556.140
332	42	7	3.48	9.7	-.1	0	2570.70	293.520	34.590	556.140
333	42	8	3.48	11.8	-.1	0	2570.70	293.520	34.590	556.140
334	42	9	3.48	13.9	-.1	0	2571.40	293.600	34.599	556.290
335	42	10	3.48	15.9	-.1	0	2570.70	293.520	34.590	556.140
336	42	11	3.48	18.0	-.1	0	2570.10	293.450	34.580	555.990
337	42	12	3.48	20.0	-.1	0	2570.10	293.450	34.580	555.990
338	42	13	3.48	22.1	-.1	0	2570.10	293.450	34.580	555.990
339	42	14	3.48	24.0	-.0	0	2569.40	293.370	34.571	555.840
340	42	15	3.48	13.9	-.1	0	2570.70	293.520	34.590	556.140
341	42	16	3.48	11.8	-.1	0	2570.70	293.520	34.590	556.140
342	43	1	3.02	-2.1	.0	0	1707.60	288.530	45.258	552.110
343	43	2	3.02	-.2	-.0	0	1706.40	287.550	45.007	550.190
344	43	3	3.02	1.7	.0	0	1707.10	287.670	45.026	550.410
345	43	4	3.02	3.7	.1	0	1707.10	287.670	45.026	550.410
346	43	5	3.02	5.7	.1	0	1706.40	287.550	45.007	550.190
347	43	6	3.02	7.7	.0	0	1707.10	287.670	45.026	550.410
348	43	7	3.02	9.8	.0	0	1707.10	287.670	45.026	550.410
349	43	8	3.02	11.9	.0	0	1711.20	288.370	45.135	551.750
350	43	9	3.02	13.9	.0	0	1708.50	287.900	45.062	550.860
351	43	10	3.02	16.0	.0	0	1709.20	288.020	45.080	551.080
352	43	11	3.02	18.0	.0	0	1709.20	288.020	45.080	551.080
353	43	12	3.02	20.1	-.0	0	1709.20	288.020	45.080	551.080
354	43	13	3.02	22.1	-.0	0	1709.90	288.140	45.099	551.310
355	43	14	3.02	24.1	.1	0	1709.20	288.020	45.080	551.080
356	43	15	3.02	14.0	.0	0	1709.20	288.020	45.080	551.080
357	46	1	3.02	-.3	-4.5	0	2854.50	481.300	75.368	920.930
358	46	2	3.02	-.3	-4.0	0	2855.20	481.420	75.386	921.150
359	46	3	3.02	-.3	-3.4	0	2854.50	481.300	75.368	920.930
360	46	4	3.02	-.2	-2.8	0	2854.50	481.300	75.368	920.930
361	46	5	3.02	-.2	-2.2	0	2854.50	481.300	75.368	920.930
362	46	6	3.02	-.2	-1.6	0	2853.80	481.190	75.349	920.700
363	46	7	3.02	-.2	-1.0	0	2853.80	481.190	75.349	920.700
364	46	8	3.02	-.2	-.5	0	2854.50	481.300	75.368	920.930
365	46	9	3.02	-.2	.1	0	2854.50	481.300	75.368	920.930
366	46	10	3.02	-.2	.7	0	2853.80	481.190	75.349	920.700
367	46	11	3.02	-.2	1.3	0	2853.80	481.190	75.349	920.700
368	46	12	3.02	-.2	1.9	0	2853.80	481.190	75.349	920.700
369	46	13	3.02	-.2	2.5	0	2853.80	481.190	75.349	920.700
370	46	14	3.02	-.2	3.1	0	2853.80	481.190	75.349	920.700
371	46	15	3.02	-.2	3.7	0	2853.80	481.190	75.349	920.700
372	46	16	3.02	-.2	4.3	0	2853.80	481.190	75.349	920.700

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
373	46	17	3.02	-2	4.9	0	2853.10	481.070	75.331	920.480
374	46	18	3.02	-1	7.2	0	2853.80	481.190	75.349	920.700
375	46	19	3.02	-2	3.2	0	2853.80	481.190	75.349	920.700
376	46	20	3.02	-3	.2	0	2853.10	481.070	75.331	920.480
377	46	21	3.02	-3	-2.8	0	2852.50	480.960	75.313	920.260
378	46	22	3.02	-3	-6.9	0	2852.50	480.960	75.313	920.260
379	47	1	3.02	-2	-2.2	0	2855.20	481.420	75.386	921.150
380	47	2	3.02	1.8	-2.2	0	2852.50	480.960	75.313	920.260
381	47	3	3.02	3.8	-2.2	0	2849.70	480.490	75.240	919.370
382	47	4	3.02	5.9	-2.3	0	2854.50	481.300	75.368	920.930
383	47	5	3.02	7.9	-2.3	0	2850.40	480.610	75.258	919.590
384	47	6	3.02	10.0	-2.3	0	2853.80	481.190	75.349	920.700
385	47	7	3.02	12.1	-2.3	0	2853.10	481.070	75.331	920.480
386	47	8	3.02	14.1	-2.3	0	2852.50	480.960	75.313	920.260
387	47	9	3.02	16.1	-2.3	0	2851.10	480.720	75.276	919.810
388	47	10	3.02	18.1	-2.3	0	2853.10	481.070	75.331	920.480
389	47	11	3.02	20.2	-2.3	0	2853.80	481.190	75.349	920.700
390	47	12	3.02	22.3	-2.4	0	2852.50	480.960	75.313	920.260
391	47	13	3.02	24.2	-2.3	0	2852.50	480.960	75.313	920.260
392	47	14	3.02	14.1	-2.2	0	2853.10	481.070	75.331	920.480
393	47	15	3.02	-2.2	-2.2	0	2851.80	480.840	75.294	920.030
394	47	16	3.02	7.9	-2.3	0	2853.80	481.190	75.349	920.700
395	48	1	3.02	-2.2	2.6	0	2854.50	481.300	75.368	920.930
396	48	2	3.02	-2.2	2.6	0	2854.50	481.300	75.368	920.930
397	48	3	3.02	-2	2.6	0	2854.50	481.300	75.368	920.930
398	48	4	3.02	1.8	2.6	0	2855.20	481.420	75.386	921.150
399	48	5	3.02	3.9	2.5	0	2854.50	481.300	75.368	920.930
400	48	6	3.02	5.9	2.5	0	2853.80	481.190	75.349	920.700
401	48	7	3.02	8.0	2.4	0	2854.50	481.300	75.368	920.930
402	48	8	3.02	12.1	2.3	0	2854.50	481.300	75.368	920.930
403	48	9	3.02	14.1	2.3	0	2853.10	481.070	75.331	920.480
404	48	10	3.02	16.1	2.3	0	2853.80	481.190	75.349	920.700
405	48	11	3.02	18.2	2.3	0	2850.40	480.610	75.258	919.590
406	48	12	3.02	20.2	2.3	0	2855.90	481.540	75.404	921.370
407	48	13	3.02	22.3	2.4	0	2853.80	481.190	75.349	920.700
408	48	15	3.02	24.2	2.5	0	2858.00	481.890	75.459	922.040
409	48	16	3.02	14.1	2.3	0	2858.00	481.890	75.459	922.040
410	48	17	3.02	10.1	2.4	0	2858.00	481.890	75.459	922.040
411	49	1	3.02	-1.6	7.7	0	2855.20	481.420	75.386	921.150
412	49	2	3.02	-1	7.9	0	2855.90	481.540	75.404	921.370
413	49	3	3.02	1.9	7.8	0	2854.50	481.300	75.368	920.930
414	49	4	3.02	4.0	7.8	0	2855.20	481.420	75.386	921.150
415	49	5	3.02	6.0	7.7	0	2854.50	481.300	75.368	920.930
416	49	6	3.02	8.0	7.7	0	2854.50	481.300	75.368	920.930
417	49	7	3.02	10.1	7.7	0	2854.50	481.300	75.368	920.930
418	49	8	3.02	12.1	7.6	0	2855.20	481.420	75.386	921.150
419	49	9	3.02	14.2	7.6	0	2854.50	481.300	75.368	920.930
420	49	10	3.02	16.2	7.6	0	2853.80	481.190	75.349	920.700
421	49	11	3.02	18.2	7.6	0	2853.80	481.190	75.349	920.700
422	49	12	3.02	20.3	7.6	0	2853.80	481.190	75.349	920.700
423	49	13	3.02	22.3	7.7	0	2853.80	481.190	75.349	920.700
424	49	14	3.02	24.2	7.8	0	2853.80	481.190	75.349	920.700
425	49	15	3.02	14.2	7.6	0	2855.90	481.540	75.404	921.370
426	50	1	3.02	-2.2	.1	0	2855.20	481.420	75.386	921.150
427	50	2	3.02	-2	.2	0	2855.20	481.420	75.386	921.150
428	50	3	3.02	1.8	.1	0	2853.80	481.190	75.349	920.700
429	50	4	3.02	3.9	.1	0	2854.50	481.300	75.368	920.930
430	50	5	3.02	5.9	.1	0	2856.60	481.650	75.422	921.600
431	50	6	3.02	7.9	.1	0	2853.80	481.190	75.349	920.700
432	50	7	3.02	10.0	.0	0	2851.80	480.840	75.294	920.030
433	50	8	3.02	12.1	.0	0	2853.80	481.190	75.349	920.700
434	50	9	3.02	14.2	-.0	0	2853.10	481.070	75.331	920.480

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
435	50	10	3.02	16.3	-0	0	2852.50	480.960	75.313	920.260
436	50	11	3.02	18.3	-0	0	2853.10	481.070	75.331	920.480
437	50	12	3.02	20.4	-1	0	2853.80	481.190	75.349	920.700
438	50	13	3.02	22.4	-0	0	2854.50	481.300	75.368	920.930
439	50	14	3.02	24.3	-1	0	2853.10	481.070	75.331	920.480
440	50	15	3.02	14.3	-0	0	2853.80	481.190	75.349	920.700
441	51	1	3.02	10.1	-6.9	0	2853.10	481.070	75.331	920.480
442	51	2	3.02	10.1	-4.6	0	2853.80	481.190	75.349	920.700
443	51	3	3.02	10.1	-3.4	0	2853.10	481.070	75.331	920.480
444	51	4	3.02	10.1	-2.3	0	2853.10	481.070	75.331	920.480
445	51	5	3.02	10.1	-1.1	0	2852.50	480.960	75.313	920.260
446	51	6	3.02	10.1	-0.5	0	2853.10	481.070	75.331	920.480
447	51	7	3.02	10.1	.0	0	2849.00	480.370	75.221	919.140
448	51	8	3.02	10.1	.7	0	2851.10	480.720	75.276	919.810
449	51	9	3.02	10.1	1.2	0	2855.90	481.540	75.404	921.370
450	51	10	3.02	9.0	2.5	0	2851.10	480.720	75.276	919.810
451	51	11	3.02	10.1	2.4	0	2852.50	480.960	75.313	920.260
452	51	12	3.02	10.1	3.6	0	2850.40	480.610	75.258	919.590
453	51	13	3.02	10.1	4.7	0	2853.80	481.190	75.349	920.700
454	51	14	3.02	10.1	7.1	0	2851.80	480.840	75.294	920.030
455	51	15	3.02	10.0	.0	0	2851.10	480.720	75.276	919.810
456	52	1	3.02	14.2	-2.4	0	2853.10	481.070	75.331	920.480
457	52	2	3.02	14.2	.0	0	2850.40	480.610	75.258	919.590
458	52	3	3.02	14.3	2.4	0	2851.10	480.720	75.276	919.810
459	52	4	3.02	14.3	7.2	0	2853.10	481.070	75.331	920.480
460	53	1	2.66	-2.3	.0	0	3098.90	700.610	141.360	1356.100
461	53	2	2.66	-3	.1	0	3103.00	701.540	141.550	1357.900
462	53	3	2.66	1.7	.1	0	3101.00	701.080	141.450	1357.000
463	53	4	2.66	3.8	.0	0	3100.30	700.920	141.420	1356.700
464	53	5	2.66	5.8	-0	0	3101.60	701.230	141.480	1357.300
465	53	6	2.66	-2.3	.0	0	3100.30	700.920	141.420	1356.700
466	53	7	2.66	-3	.1	0	3100.30	700.920	141.420	1356.700
467	53	8	2.66	-2.3	.0	0	3100.30	700.920	141.420	1356.700
468	53	9	2.66	-3	.1	0	3100.30	700.920	141.420	1356.700
469	53	10	2.66	1.7	.1	0	3100.30	700.920	141.420	1356.700
470	53	11	2.66	3.8	.0	0	3101.00	701.080	141.450	1357.000
471	53	12	2.66	5.8	-0	0	3101.00	701.080	141.450	1357.000
472	53	13	2.66	7.9	-0	0	3098.90	700.610	141.360	1356.100
473	53	14	2.66	10.0	-1	0	3099.60	700.770	141.390	1356.400
474	53	15	2.66	12.1	-1	0	3101.00	701.080	141.450	1357.000
475	53	16	2.66	14.2	-1	0	3099.60	700.770	141.390	1356.400
476	55	1	2.66	-3	-6.4	0	2213.20	500.500	101.010	968.750
477	55	2	2.66	-3	-4.3	0	2210.50	499.880	100.880	967.550
478	55	3	2.66	-3	-3.8	0	2209.80	499.730	100.850	967.250
479	55	4	2.66	-3	-3.2	0	2210.50	499.880	100.880	967.550
480	55	5	2.66	-3	-2.7	0	2210.50	499.880	100.880	967.550
481	55	6	2.66	-3	-2.1	0	2209.80	499.730	100.850	967.250
482	55	7	2.66	-3	-1.6	0	2209.80	499.730	100.850	967.250
483	55	8	2.66	-3	-1.0	0	2209.80	499.730	100.850	967.250
484	55	9	2.66	-3	-.5	0	2210.50	499.880	100.880	967.550
485	55	10	2.66	-3	.0	0	2209.80	499.730	100.850	967.250
486	55	11	2.66	-3	.6	0	2209.80	499.730	100.850	967.250
487	55	12	2.66	-3	1.2	0	2209.80	499.730	100.850	967.250
488	55	13	2.66	-3	1.7	0	2209.80	499.730	100.850	967.250
489	55	14	2.66	-2	2.2	0	2209.80	499.730	100.850	967.250
490	55	15	2.66	-2	2.8	0	2209.10	499.570	100.820	966.950
491	55	16	2.66	-2	3.3	0	2209.80	499.730	100.850	967.250
492	55	17	2.66	-2	3.9	0	2209.80	499.730	100.850	967.250
493	55	18	2.66	-2	4.4	0	2209.10	499.570	100.820	966.950
494	55	19	2.66	-2	6.6	0	2209.80	499.730	100.850	967.250
495	55	20	2.66	-3	2.8	0	2209.80	499.730	100.850	967.250
496	55	21	2.66	-3	.1	0	2210.50	499.880	100.880	967.550

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
497	55	22	2.66	-3	-2.6	0	2209.80	499.730	100.850	967.250
498	55	23	2.66	-3	-6.4	0	2209.80	499.730	100.850	967.250
499	56	1	2.66	-2.3	-2.1	0	2209.80	499.730	100.850	967.250
500	56	2	2.66	-3	-2.1	0	2209.80	499.730	100.850	967.250
501	56	3	2.66	1.7	-2.1	0	2209.80	499.730	100.850	967.250
502	56	4	2.66	3.8	-2.2	0	2208.40	499.420	100.790	966.650
503	56	5	2.66	5.8	-2.2	0	2209.80	499.730	100.850	967.250
504	56	6	2.66	7.9	-2.2	0	2209.80	499.730	100.850	967.250
505	56	7	2.66	10.0	-2.2	0	2209.80	499.730	100.850	967.250
506	56	8	2.66	12.1	-2.2	0	2209.80	499.730	100.850	967.250
507	56	9	2.66	14.1	-2.2	0	2209.80	499.690	100.840	967.180
508	56	10	2.66	16.1	-2.2	0	2209.80	499.730	100.850	967.250
509	56	11	2.66	18.1	-2.2	0	2209.80	499.690	100.840	967.180
510	56	12	2.66	20.2	-2.2	0	2209.10	499.540	100.810	966.880
511	56	13	2.66	22.3	-2.3	0	2209.10	499.540	100.810	966.880
512	56	14	2.66	24.3	-2.2	0	2209.10	499.540	100.810	966.880
513	56	15	2.66	14.0	-2.1	0	2209.10	499.540	100.810	966.880
514	57	1	2.66	-2.3	.0	0	2209.10	499.540	100.810	966.880
515	57	2	2.66	-3	.1	0	2209.10	499.540	100.810	966.880
516	57	3	2.66	1.7	.1	0	2209.10	499.540	100.810	966.880
517	57	4	2.66	3.8	.0	0	2209.10	499.540	100.810	966.880
518	57	5	2.66	5.8	-0	0	2209.80	499.690	100.840	967.180
519	57	6	2.66	7.9	-0	0	2209.80	499.690	100.840	967.180
520	57	7	2.66	10.0	-1	0	2209.80	499.690	100.840	967.180
521	57	8	2.66	12.1	-1	0	2209.10	499.540	100.810	966.880
522	57	9	2.66	14.2	-1	0	2209.10	499.540	100.810	966.880
523	57	10	2.66	16.2	-1	0	2209.10	499.540	100.810	966.880
524	57	11	2.66	18.3	-1	0	2208.40	499.380	100.780	966.580
525	57	12	2.66	20.4	-2	0	2210.50	499.880	100.880	967.550
526	57	13	2.66	22.4	-1	0	2208.40	499.420	100.790	966.650
527	57	14	2.66	24.3	-1	0	2209.80	499.690	100.840	967.180
528	57	15	2.66	14.3	-1	0	2209.10	499.540	100.810	966.880
529	58	1	2.66	-2.3	2.3	0	2209.10	499.540	100.810	966.880
530	58	2	2.66	-3	2.3	0	2209.80	499.690	100.840	967.180
531	58	3	2.66	1.8	2.3	0	2209.10	499.540	100.810	966.880
532	58	4	2.66	3.8	2.2	0	2209.10	499.540	100.810	966.880
533	58	5	2.66	5.8	2.2	0	2209.10	499.540	100.810	966.880
534	58	6	2.66	8.0	2.1	0	2209.10	499.540	100.810	966.880
535	58	7	2.66	10.0	2.1	0	2209.10	499.540	100.810	966.880
536	58	8	2.66	12.1	2.0	0	2209.10	499.540	100.810	966.880
537	58	9	2.66	14.1	2.0	0	2209.80	499.690	100.840	967.180
538	58	10	2.66	16.1	2.0	0	2209.10	499.540	100.810	966.880
539	58	11	2.66	18.2	2.1	0	2209.10	499.540	100.810	966.880
540	58	12	2.66	20.2	2.0	0	2209.10	499.540	100.810	966.880
541	58	13	2.66	22.3	2.1	0	2209.10	499.540	100.810	966.880
542	58	14	2.66	24.2	2.2	0	2209.10	499.540	100.810	966.880
543	58	15	2.66	14.1	2.0	0	2209.10	499.540	100.810	966.880
544	59	1	2.66	-1.9	6.4	0	2209.10	499.540	100.810	966.880
545	59	2	2.66	-2	6.6	0	2209.10	499.540	100.810	966.880
546	59	3	2.66	1.8	6.6	0	2209.10	499.540	100.810	966.880
547	59	4	2.66	3.9	6.5	0	2209.10	499.540	100.810	966.880
548	59	5	2.66	6.0	6.4	0	2209.10	499.540	100.810	966.880
549	59	6	2.66	8.0	6.4	0	2209.10	499.540	100.810	966.880
550	59	7	2.66	10.0	6.4	0	2208.40	499.380	100.780	966.580
551	59	8	2.66	12.1	6.4	0	2209.10	499.540	100.810	966.880
552	59	9	2.66	14.1	6.3	0	2208.40	499.380	100.780	966.580
553	59	10	2.66	16.2	6.3	0	2208.40	499.380	100.780	966.580
554	59	11	2.66	18.2	6.3	0	2209.10	499.540	100.810	966.880
555	59	12	2.66	20.3	6.4	0	2209.10	499.540	100.810	966.880
556	59	13	2.66	22.3	6.4	0	2209.10	499.540	100.810	966.880
557	59	14	2.66	24.2	6.5	0	2209.10	499.540	100.810	966.880
558	59	15	2.66	14.2	6.4	0	2209.80	499.690	100.840	967.180

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
559	60	1	2.66	10.0	-6.4	0	2208.40	499.380	100.780	966.580
560	60	2	2.66	10.0	-4.3	0	2208.40	499.380	100.780	966.580
561	60	3	2.66	10.0	-3.2	0	2209.10	499.540	100.810	966.880
562	60	4	2.66	10.0	-2.2	0	2209.80	499.690	100.840	967.180
563	60	5	2.66	10.0	-1.1	0	2209.80	499.690	100.840	967.180
564	60	6	2.66	10.0	-.6	0	2209.80	499.690	100.840	967.180
565	60	7	2.66	10.0	-.1	0	2209.10	499.540	100.810	966.880
566	60	8	2.66	10.0	.5	0	2209.80	499.690	100.840	967.180
567	60	9	2.66	10.0	1.1	0	2209.80	499.690	100.840	967.180
568	60	10	2.66	10.1	2.1	0	2209.80	499.690	100.840	967.180
569	60	11	2.66	10.0	3.2	0	2210.50	499.850	100.870	967.480
570	60	12	2.66	10.0	4.3	0	2209.80	499.690	100.840	967.180
571	60	13	2.66	10.0	6.4	0	2209.80	499.690	100.840	967.180
572	60	14	2.66	10.0	-.0	0	2209.80	499.690	100.840	967.180
573	61	1	2.66	14.2	-2.3	0	2209.80	499.690	100.840	967.180
574	61	2	2.66	14.2	-.1	0	2209.80	499.690	100.840	967.180
575	61	3	2.66	14.2	2.1	0	2209.80	499.690	100.840	967.180
576	61	4	2.66	14.3	4.3	0	2209.10	499.540	100.810	966.880
577	62	1	2.46	-.3	-4.2	0	1902.90	501.140	118.060	978.380
578	62	2	2.46	-.3	-3.7	0	1901.50	500.770	117.970	977.670
579	62	3	2.46	-.3	-3.2	0	1902.20	500.960	118.010	978.030
580	62	4	2.46	-.3	-2.6	0	1902.90	501.140	118.060	978.380
581	62	5	2.46	-.3	-2.1	0	1902.20	500.960	118.010	978.030
582	62	6	2.46	-.2	-1.6	0	1902.20	500.960	118.010	978.030
583	62	7	2.46	-.2	-1.0	0	1902.20	500.960	118.010	978.030
584	62	8	2.46	-.2	-.5	0	1902.20	500.960	118.010	978.030
585	62	9	2.46	-.2	.0	0	1902.20	500.960	118.010	978.030
586	62	10	2.46	-.2	.6	0	1901.50	500.770	117.970	977.670
587	62	11	2.46	-.2	1.1	0	1902.90	501.140	118.060	978.380
588	62	12	2.46	-.2	1.7	0	1900.80	500.590	117.930	977.320
589	62	13	2.46	-.2	2.2	0	1902.90	501.140	118.060	978.380
590	62	14	2.46	-.2	2.7	0	1901.50	500.770	117.970	977.670
591	62	15	2.46	-.2	3.3	0	1902.20	500.960	118.010	978.030
592	62	16	2.46	-.2	3.8	0	1901.50	500.770	117.970	977.670
593	62	17	2.46	-.2	4.3	0	1902.20	500.960	118.010	978.030
594	62	18	2.46	-.2	6.5	0	1902.20	500.960	118.010	978.030
595	62	19	2.46	-.2	2.8	0	1901.50	500.770	117.970	977.670
596	62	20	2.46	-.3	.1	0	1902.20	500.960	118.010	978.030
597	62	21	2.46	-.3	-2.6	0	1901.50	500.770	117.970	977.670
598	62	22	2.46	-.3	-6.3	0	1902.20	500.960	118.010	978.030
599	63	1	2.46	-2.3	-2.1	0	1900.80	500.590	117.930	977.320
600	63	2	2.46	-.3	-2.1	0	1901.50	500.770	117.970	977.670
601	63	3	2.46	1.7	-2.1	0	1901.50	500.770	117.970	977.670
602	63	4	2.46	3.8	-2.1	0	1901.50	500.770	117.970	977.670
603	63	5	2.46	5.8	-2.2	0	1900.80	500.590	117.930	977.320
604	63	6	2.46	7.9	-2.2	0	1902.20	500.960	118.010	978.030
605	63	7	2.46	10.0	-2.2	0	1901.50	500.770	117.970	977.670
606	63	8	2.46	11.4	-2.4	0	1902.20	500.960	118.010	978.030
607	63	9	2.46	14.1	-2.1	0	1901.50	500.770	117.970	977.670
608	63	10	2.46	16.1	-2.2	0	1901.50	500.770	117.970	977.670
609	63	11	2.46	18.1	-2.2	0	1900.80	500.590	117.930	977.320
610	63	12	2.46	20.2	-2.2	0	1901.50	500.770	117.970	977.670
611	63	13	2.46	22.3	-2.2	0	1902.20	500.960	118.010	978.030
612	63	14	2.46	24.2	-2.2	0	1900.80	500.590	117.930	977.320
613	63	15	2.46	14.0	-2.1	0	1901.50	500.770	117.970	977.670
614	64	1	2.46	-2.3	.0	0	1901.50	500.770	117.970	977.670
615	64	2	2.46	-.3	.1	0	1901.50	500.770	117.970	977.670
616	64	3	2.46	1.7	.1	0	1901.50	500.770	117.970	977.670
617	64	4	2.46	3.8	.0	0	1901.50	500.770	117.970	977.670
618	64	5	2.46	5.8	-.0	0	1901.50	500.770	117.970	977.670
619	64	6	2.46	7.9	-.0	0	1902.90	501.140	118.060	978.380
620	64	7	2.46	10.0	-.1	0	1901.50	500.770	117.970	977.670

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
621	64	8	2.46	12.1	-1	0	1901.50	500.770	117.970	977.670
622	64	9	2.46	14.2	-1	0	1900.80	500.590	117.930	977.320
623	64	10	2.46	16.2	-1	0	1900.80	500.590	117.930	977.320
624	64	11	2.46	18.3	-1	0	1901.50	500.770	117.970	977.670
625	64	12	2.46	20.4	-2	0	1900.80	500.590	117.930	977.320
626	64	13	2.46	22.4	-1	0	1901.50	500.770	117.970	977.670
627	64	14	2.46	24.3	-1	0	1902.20	500.960	118.010	978.030
628	64	15	2.46	14.3	-1	0	1901.50	500.770	117.970	977.670
629	65	1	2.46	-2.2	2.2	0	1901.50	500.770	117.970	977.670
630	65	2	2.46	-2	2.3	0	1900.80	500.590	117.930	977.320
631	65	3	2.46	1.8	2.2	0	1901.50	500.770	117.970	977.670
632	65	4	2.46	3.8	2.2	0	1901.50	500.770	117.970	977.670
633	65	5	2.46	5.9	2.2	0	1900.80	500.590	117.930	977.320
634	65	6	2.46	8.0	2.1	0	1900.80	500.590	117.930	977.320
635	65	7	2.46	10.0	2.1	0	1901.50	500.770	117.970	977.670
636	65	8	2.46	12.1	2.0	0	1900.80	500.590	117.930	977.320
637	65	9	2.46	14.1	2.0	0	1901.50	500.770	117.970	977.670
638	65	10	2.46	16.1	2.0	0	1901.50	500.770	117.970	977.670
639	65	11	2.46	18.1	2.0	0	1900.80	500.590	117.930	977.320
640	65	12	2.46	20.2	2.0	0	1900.80	500.590	117.930	977.320
641	65	13	2.46	22.3	2.0	0	1901.50	500.770	117.970	977.670
642	65	14	2.46	24.2	2.1	0	1901.50	500.770	117.970	977.670
643	65	15	2.46	14.1	2.0	0	1901.50	500.770	117.970	977.670
644	66	1	2.46	-1.9	6.3	0	1900.80	500.590	117.930	977.320
645	66	2	2.46	-1	6.5	0	1900.80	500.590	117.930	977.320
646	66	3	2.46	1.9	6.5	0	1900.80	500.590	117.930	977.320
647	66	5	2.46	6.0	6.3	0	1901.50	500.770	117.970	977.670
648	66	6	2.46	8.0	6.3	0	1900.80	500.590	117.930	977.320
649	66	7	2.46	10.1	6.3	0	1900.80	500.590	117.930	977.320
650	66	8	2.46	12.1	6.3	0	1901.50	500.770	117.970	977.670
651	66	9	2.46	14.1	6.2	0	1901.50	500.770	117.970	977.670
652	66	10	2.46	16.2	6.2	0	1901.50	500.770	117.970	977.670
653	66	11	2.46	18.2	6.2	0	1901.50	500.770	117.970	977.670
654	66	12	2.46	20.2	6.3	0	1902.20	500.960	118.010	978.030
655	66	13	2.46	22.3	6.3	0	1902.20	500.960	118.010	978.030
656	66	14	2.46	24.2	6.4	0	1902.90	501.140	118.060	978.380
657	66	15	2.46	14.2	6.3	0	1902.90	501.140	118.060	978.380
658	66	16	2.46	4.0	6.4	0	1902.20	500.960	118.010	978.030
659	67	1	2.46	10.0	-6.3	0	1905.60	501.860	118.230	979.800
660	67	2	2.46	10.0	-4.3	0	1903.50	501.320	118.100	978.730
661	67	3	2.46	10.0	-3.2	0	1899.40	500.230	117.840	976.610
662	67	4	2.46	10.0	-2.2	0	1906.30	502.040	118.270	980.150
663	67	5	2.46	10.1	-1.1	0	1904.90	501.680	118.180	979.440
664	67	6	2.46	10.0	-6	0	1903.50	501.320	118.100	978.730
665	67	7	2.46	10.1	-1	0	1904.20	501.500	118.140	979.090
666	67	8	2.46	10.0	.5	0	1904.20	501.500	118.140	979.090
667	67	9	2.46	10.0	1.0	0	1902.90	501.140	118.060	978.380
668	67	10	2.46	10.1	2.1	0	1902.20	500.960	118.010	978.030
669	67	11	2.46	10.1	3.1	0	1901.50	500.770	117.970	977.670
670	67	12	2.46	10.1	4.2	0	1902.20	500.960	118.010	978.030
671	67	13	2.46	10.1	6.3	0	1902.20	500.960	118.010	978.030
672	67	14	2.46	10.0	-0	0	1902.20	500.960	118.010	978.030
673	68	1	2.46	14.2	-2.2	0	1902.20	500.960	118.010	978.030
674	68	2	2.46	14.2	-1	0	1901.50	500.770	117.970	977.670
675	68	3	2.46	14.2	2.1	0	1902.20	500.960	118.010	978.030
676	68	4	2.46	14.3	6.4	0	1902.20	500.960	118.010	978.030
677	71	1	3.48	-2.3	.0	0	3215.10	367.050	43.250	695.440
678	71	2	3.48	-.3	.1	0	3215.10	367.050	43.250	695.440
679	71	3	3.48	1.7	.0	0	3215.10	367.050	43.250	695.440
680	71	4	3.48	3.8	.0	0	3217.10	367.280	43.277	695.880
681	71	5	3.48	5.8	-0	0	3215.10	367.050	43.250	695.440
682	71	6	3.48	7.8	-0	0	3215.10	367.050	43.250	695.440

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
683	71	7	3.48	9.9	-1	0	3213.10	366.810	43.222	695.000
684	71	8	3.48	12.0	-1	0	3212.40	366.740	43.213	694.850
685	71	9	3.48	14.1	-1	0	3215.80	367.120	43.259	695.590
686	71	10	3.48	16.2	-1	0	3217.10	367.280	43.277	695.880
687	71	11	3.48	18.2	-2	0	3215.10	367.050	43.250	695.440
688	71	12	3.48	20.3	-2	0	3214.40	366.970	43.240	695.290
689	71	13	3.48	22.3	-2	0	3215.10	367.050	43.250	695.440
690	71	14	3.48	24.3	-1	0	3213.10	366.810	43.222	695.000
691	71	15	3.48	14.2	-1	0	3217.10	367.280	43.277	695.880
692	72	1	3.48	-2.3	2.3	0	3217.10	367.280	43.277	695.880
693	72	2	3.48	-3	2.4	0	3215.10	367.050	43.250	695.440
694	72	3	3.48	1.8	2.3	0	3214.40	366.970	43.240	695.290
695	72	4	3.48	3.8	2.3	0	3214.40	366.970	43.240	695.290
696	72	5	3.48	5.8	2.3	0	3215.80	367.120	43.259	695.590
697	72	6	3.48	7.9	2.2	0	3215.10	367.050	43.250	695.440
698	72	7	3.48	10.0	2.2	0	3214.40	366.970	43.240	695.290
699	72	8	3.48	12.1	2.1	0	3211.00	366.580	43.195	694.550
700	72	9	3.48	14.0	2.1	0	3211.00	366.580	43.195	694.550
701	72	10	3.48	16.0	2.1	0	3213.70	366.890	43.231	695.140
702	72	11	3.48	18.1	2.1	0	3214.40	366.970	43.240	695.290
703	72	12	3.48	20.1	2.1	0	3209.00	366.350	43.167	694.110
704	72	13	3.48	22.2	2.1	0	3213.10	366.810	43.222	695.000
705	72	14	3.48	24.2	2.1	0	3213.10	366.810	43.222	695.000
706	72	15	3.48	14.1	2.1	0	3211.70	366.660	43.204	694.700
707	73	1	3.48	-2.3	-1	0	2573.40	293.790	34.618	556.650
708	73	2	3.48	-3	-1	0	2572.10	293.640	34.600	556.350
709	73	3	3.48	1.6	-1	0	2570.70	293.480	34.581	556.060
710	73	4	3.48	3.6	-1	0	2572.10	293.640	34.600	556.350
711	73	5	3.48	5.6	-1	0	2570.70	293.480	34.581	556.060
712	73	6	3.48	7.6	-1	0	2570.70	293.480	34.581	556.060
713	73	7	3.48	9.7	-1	0	2572.10	293.640	34.600	556.350
714	73	8	3.48	11.8	-1	0	2570.00	293.400	34.572	555.910
715	73	9	3.48	13.9	-1	0	2572.10	293.640	34.600	556.350
716	73	10	3.48	15.9	-1	0	2570.70	293.480	34.581	556.060
717	73	11	3.48	18.0	-1	0	2572.10	293.640	34.600	556.350
718	73	12	3.48	20.1	-1	0	2570.70	293.480	34.581	556.060
719	73	13	3.48	22.1	-1	0	2571.40	293.560	34.590	556.200
720	73	14	3.48	24.2	-1	0	2572.10	293.640	34.600	556.350
721	73	15	3.48	13.9	-1	0	2572.10	293.640	34.600	556.350
722	74	1	3.48	9.9	-6.9	0	3217.80	367.360	43.286	696.030
723	74	2	3.48	9.9	-4.8	0	3210.30	366.500	43.185	694.410
724	74	3	3.48	9.9	-3.6	0	3215.80	367.120	43.259	695.590
725	74	4	3.48	9.8	-2.5	0	3214.40	366.970	43.240	695.290
726	74	5	3.48	9.8	-1.4	0	3213.70	366.890	43.231	695.140
727	74	6	3.48	9.7	-7	0	3211.00	366.580	43.195	694.550
728	74	7	3.48	9.7	-1	0	3216.50	367.200	43.268	695.730
729	74	8	3.48	9.7	.6	0	3211.70	366.660	43.204	694.700
730	74	9	3.48	9.8	1.2	0	3213.10	366.810	43.222	695.000
731	74	10	3.48	9.9	2.4	0	3213.70	366.890	43.231	695.140
732	74	11	3.48	9.9	3.5	0	3213.70	366.890	43.231	695.140
733	74	12	3.48	9.9	4.6	0	3213.70	366.890	43.231	695.140
734	74	13	3.48	10.0	6.8	0	3213.10	366.810	43.222	695.000
735	74	14	3.48	9.8	-1	0	3215.10	367.050	43.250	695.440
736	75	1	3.48	13.9	-1	0	3213.10	366.810	43.222	695.000
737	75	2	3.48	14.0	2.1	0	3213.10	366.810	43.222	695.000
738	76	1	3.02	-2.3	.0	0	2854.50	481.300	75.368	920.930
739	76	2	3.02	-3	-0	0	2852.50	480.960	75.313	920.260
740	76	3	3.02	1.6	.0	0	2852.50	480.960	75.313	920.260
741	76	4	3.02	3.6	.1	0	2853.80	481.190	75.349	920.700
742	76	5	3.02	5.6	.0	0	2853.80	481.190	75.349	920.700
743	76	6	3.02	7.7	.0	0	2852.50	480.960	75.313	920.260
744	76	7	3.02	9.8	.0	0	2853.80	481.190	75.349	920.700

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t1}	q _u	P _u	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
745	76	8	3.02	11.9	.0	0	2853.10	481.070	75.331	920.480
746	76	9	3.02	14.0	-.0	0	2852.50	480.960	75.313	920.260
747	76	10	3.02	16.1	-.0	0	2853.10	481.070	75.331	920.480
748	76	11	3.02	18.2	-.0	0	2851.80	480.840	75.294	920.030
749	76	12	3.02	20.2	-.0	0	2852.50	480.960	75.313	920.260
750	76	13	3.02	22.3	-.0	0	2853.10	481.070	75.331	920.480
751	76	14	3.02	24.4	-.0	0	2853.80	481.190	75.349	920.700
752	76	15	3.02	14.1	-.0	0	2853.10	481.070	75.331	920.480
753	77	1	3.02	-2.3	2.4	0	2853.10	481.070	75.331	920.480
754	77	2	3.02	-.3	2.4	0	2850.40	480.610	75.258	919.590
755	77	3	3.02	1.6	2.5	0	2851.80	480.840	75.294	920.030
756	77	4	3.02	3.6	2.5	0	2854.50	481.300	75.368	920.930
757	77	5	3.02	6.2	2.6	0	2851.80	480.840	75.294	920.030
758	77	6	3.02	7.7	2.6	0	2851.10	480.720	75.276	919.810
759	77	7	3.02	9.9	2.6	0	2853.80	481.190	75.349	920.700
760	77	8	3.02	12.2	2.6	0	2853.80	481.190	75.349	920.700
761	77	9	3.02	14.3	2.5	0	2851.10	480.720	75.276	919.810
762	77	10	3.02	16.4	2.4	0	2849.00	480.370	75.221	919.140
763	77	11	3.02	18.4	2.4	0	2850.40	480.610	75.258	919.590
764	77	12	3.02	20.5	2.3	0	2851.10	480.720	75.276	919.810
765	77	13	3.02	22.5	2.4	0	2851.10	480.720	75.276	919.810
766	77	14	3.02	24.4	2.5	0	2853.10	481.070	75.331	920.480
767	77	15	3.02	14.3	2.4	0	2853.10	481.070	75.331	920.480
768	79	1	3.02	11.4	.1	0	2496.20	420.890	65.908	805.340
769	79	2	3.02	10.1	-6.9	0	2855.90	481.540	75.404	921.370
770	79	3	3.02	10.1	-4.6	0	2853.10	481.070	75.331	920.480
771	79	4	3.02	10.1	-3.5	0	2852.50	480.960	75.313	920.260
772	79	5	3.02	10.1	-2.3	0	2853.10	481.070	75.331	920.480
773	79	6	3.02	10.1	-1.1	0	2853.10	481.070	75.331	920.480
774	79	7	3.02	10.1	-.6	0	2853.10	481.070	75.331	920.480
775	79	8	3.02	10.1	.1	0	2852.50	480.960	75.313	920.260
776	79	9	3.02	10.1	.6	0	2852.50	480.960	75.313	920.260
777	79	10	3.02	10.1	1.2	0	2852.50	480.960	75.313	920.260
778	79	11	3.02	10.1	2.4	0	2852.50	480.960	75.313	920.260
779	79	12	3.02	10.1	3.6	0	2853.10	481.070	75.331	920.480
780	79	13	3.02	10.1	4.8	0	2851.80	480.840	75.294	920.030
781	79	14	3.02	10.1	7.1	0	2851.80	480.840	75.294	920.030
782	79	15	3.02	10.0	.1	0	2852.50	480.960	75.313	920.260
783	80	1	3.02	14.2	-.0	0	2852.50	480.960	75.313	920.260
784	80	2	3.02	14.3	2.4	0	2851.80	480.840	75.294	920.030
785	81	1	3.02	-2.2	.0	0	1709.80	288.290	45.144	551.620
786	81	2	3.02	-.3	-.0	0	1709.80	288.290	45.144	551.620
787	81	3	3.02	1.6	.0	0	1709.80	288.290	45.144	551.620
788	81	4	3.02	3.6	.0	0	1710.50	288.410	45.162	551.840
789	81	5	3.02	5.6	.0	0	1709.80	288.290	45.144	551.620
790	81	6	3.02	7.7	.0	0	1710.50	288.410	45.162	551.840
791	81	7	3.02	9.7	.0	0	1709.80	288.290	45.144	551.620
792	81	8	3.02	11.9	.0	0	1710.50	288.410	45.162	551.840
793	81	9	3.02	13.9	.0	0	1709.80	288.290	45.144	551.620
794	81	10	3.02	16.0	-.0	0	1710.50	288.410	45.162	551.840
795	81	11	3.02	18.1	-.0	0	1710.50	288.410	45.162	551.840
796	81	12	3.02	20.1	-.0	0	1710.50	288.410	45.162	551.840
797	81	13	3.02	22.2	-.0	0	1710.50	288.410	45.162	551.840
798	81	14	3.02	24.2	-.0	0	1710.50	288.410	45.162	551.840
799	81	15	3.02	14.0	-.0	0	1709.80	288.290	45.144	551.620
800	82	1	2.66	-2.3	-.1	0	2207.70	499.100	100.690	966.010
801	82	2	2.66	-.4	-.1	0	2208.40	499.250	100.730	966.310
802	82	3	2.66	1.6	-.1	0	2209.10	499.410	100.760	966.610
803	82	4	2.66	3.5	-.0	0	2209.80	499.560	100.790	966.910
804	82	5	2.66	5.6	-.0	0	2209.80	499.560	100.790	966.910
805	82	6	2.66	7.7	-.1	0	2209.80	499.560	100.790	966.910
806	82	7	2.66	9.7	-.1	0	2209.80	499.560	100.790	966.910

Table LXXXIV(continued)

Ref	Run Point		M _a	α	β	φ	P _{t1}	q _a	P _a	P _{t2}
				deg	deg	deg	psf	psf	psf	psf
807	82	8	2.66	11.9	-.1	0	2209.10	499.410	100.760	966.610
808	82	9	2.66	13.9	-.1	0	2209.10	499.410	100.760	966.610
809	82	10	2.66	16.0	-.1	0	2209.10	499.410	100.760	966.610
810	82	11	2.66	18.1	-.1	0	2209.10	499.410	100.760	966.610
811	82	12	2.66	20.2	-.1	0	2209.10	499.410	100.760	966.610
812	82	13	2.66	22.3	-.1	0	2209.80	499.560	100.790	966.910
813	82	14	2.66	24.3	-.1	0	2209.80	499.560	100.790	966.910
814	82	15	2.66	14.0	-.1	0	2209.80	499.560	100.790	966.910
815	83	1	2.66	-2.3	2.2	0	2209.10	499.410	100.760	966.610
816	83	2	2.66	-.3	2.3	0	2209.10	499.410	100.760	966.610
817	83	3	2.66	1.8	2.2	0	2209.80	499.560	100.790	966.910
818	83	4	2.66	3.8	2.2	0	2209.10	499.410	100.760	966.610
819	83	5	2.66	5.8	2.2	0	2209.10	499.410	100.760	966.610
820	83	6	2.66	8.0	2.1	0	2208.40	499.250	100.730	966.310
821	83	7	2.66	10.0	2.1	0	2209.10	499.410	100.760	966.610
822	83	8	2.66	12.1	2.0	0	2209.10	499.410	100.760	966.610
823	83	9	2.66	14.1	2.0	0	2209.10	499.410	100.760	966.610
824	83	10	2.66	16.1	2.0	0	2209.10	499.410	100.760	966.610
825	83	11	2.66	18.1	2.0	0	2209.10	499.410	100.760	966.610
826	83	12	2.66	20.2	2.0	0	2209.10	499.410	100.760	966.610
827	83	13	2.66	22.3	2.1	0	2209.10	499.410	100.760	966.610
828	83	14	2.66	24.3	2.1	0	2209.10	499.410	100.760	966.610
829	83	15	2.66	14.1	2.0	0	2209.80	499.560	100.790	966.910
830	84	1	2.66	10.0	-6.4	0	2209.10	499.410	100.760	966.610
831	84	2	2.66	10.0	-4.3	0	2209.10	499.410	100.760	966.610
832	84	3	2.66	10.0	-3.2	0	2208.40	499.250	100.730	966.310
833	84	4	2.66	10.1	-2.2	0	2209.10	499.410	100.760	966.610
834	84	5	2.66	10.1	-1.1	0	2209.10	499.410	100.760	966.610
835	84	6	2.66	10.0	-.6	0	2208.40	499.250	100.730	966.310
836	84	7	2.66	10.1	-.0	0	2209.10	499.410	100.760	966.610
837	84	8	2.66	10.1	.5	0	2209.10	499.410	100.760	966.610
838	84	9	2.66	10.0	1.0	0	2209.10	499.410	100.760	966.610
839	84	10	2.66	10.1	2.1	0	2209.10	499.410	100.760	966.610
840	84	11	2.66	10.0	3.2	0	2209.10	499.410	100.760	966.610
841	84	12	2.66	10.0	4.3	0	2209.10	499.410	100.760	966.610
842	84	13	2.66	10.1	6.4	0	2209.10	499.410	100.760	966.610
843	84	14	2.66	10.0	-.0	0	2209.10	499.410	100.760	966.610
844	85	1	2.66	9.4	-.0	0	2209.10	499.410	100.760	966.610
845	85	2	2.66	9.4	2.1	0	2209.10	499.410	100.760	966.610
846	86	1	2.46	-2.3	.0	0	1899.40	500.370	117.910	976.910
847	86	2	2.46	-.3	.1	0	1902.90	501.280	118.120	978.680
848	86	3	2.46	1.7	.0	0	1902.20	501.130	118.100	978.390
849	86	4	2.46	3.8	.0	0	1902.20	501.130	118.100	978.390
850	86	5	2.46	5.8	-.0	0	1902.20	501.130	118.100	978.390
851	86	6	2.46	7.9	-.0	0	1901.50	500.950	118.060	978.040
852	86	7	2.46	10.0	-.1	0	1902.20	501.130	118.100	978.390
853	86	8	2.46	12.1	-.1	0	1902.20	501.130	118.100	978.390
854	86	9	2.46	14.2	-.1	0	1902.20	501.130	118.100	978.390
855	86	10	2.46	16.3	-.1	0	1902.20	501.130	118.100	978.390
856	86	11	2.46	18.3	-.1	0	1902.20	501.130	118.100	978.390
857	86	12	2.46	20.4	-.2	0	1902.20	501.130	118.100	978.390
858	86	13	2.46	22.4	-.1	0	1902.20	501.130	118.100	978.390
859	86	14	2.46	24.4	-.1	0	1902.90	501.310	118.140	978.750
860	86	15	2.46	14.3	-.1	0	1902.20	501.130	118.100	978.390
861	87	1	2.46	-2.3	2.2	0	1902.20	501.130	118.100	978.390
862	87	2	2.46	-.3	2.3	0	1902.20	501.130	118.100	978.390
863	87	3	2.46	1.8	2.2	0	1902.20	501.130	118.100	978.390
864	87	4	2.46	3.8	2.2	0	1902.20	501.130	118.100	978.390
865	87	5	2.46	5.8	2.2	0	1902.20	501.130	118.100	978.390
866	87	6	2.46	8.0	2.1	0	1902.20	501.130	118.100	978.390
867	87	7	2.46	10.0	2.1	0	1902.20	501.130	118.100	978.390
868	87	8	2.46	12.1	2.0	0	1902.20	501.130	118.100	978.390

Table LXXXIV(continued)

Ref	Run	Point	M _u	α	β	ϕ	P _{t₁}	q _u	P _u	P _{t₂}
				deg	deg	deg	psf	psf	psf	psf
869	87	9	2.46	14.1	2.0	0	1902.20	501.130	118.100	978.390
870	87	10	2.46	16.1	2.0	0	1902.20	501.130	118.100	978.390
871	87	11	2.46	18.1	2.0	0	1901.50	500.950	118.060	978.040
872	87	12	2.46	20.2	2.0	0	1902.20	501.130	118.100	978.390
873	87	13	2.46	22.3	2.0	0	1902.20	501.130	118.100	978.390
874	87	14	2.46	24.3	2.1	0	1902.90	501.310	118.140	978.750
875	87	15	2.46	14.1	2.0	0	1902.20	501.130	118.100	978.390
876	88	1	2.46	10.0	-6.4	0	1902.90	501.310	118.140	978.750
877	88	2	2.46	10.0	-4.3	0	1900.80	500.770	118.010	977.680
878	88	3	2.46	10.1	-3.2	0	1902.90	501.310	118.140	978.750
879	88	4	2.46	10.1	-2.2	0	1902.20	501.130	118.100	978.390
880	88	5	2.46	10.1	-1.1	0	1902.20	501.130	118.100	978.390
881	88	6	2.46	10.0	-.6	0	1902.20	501.130	118.100	978.390
882	88	7	2.46	10.1	-.0	0	1902.20	501.130	118.100	978.390
883	88	8	2.46	10.1	.5	0	1902.20	501.130	118.100	978.390
884	88	9	2.46	10.1	1.0	0	1902.20	501.130	118.100	978.390
885	88	10	2.46	10.1	2.1	0	1902.20	501.130	118.100	978.390
886	88	11	2.46	10.1	3.2	0	1901.50	500.950	118.060	978.040
887	88	12	2.46	10.1	4.2	0	1902.20	501.130	118.100	978.390
888	88	13	2.46	10.1	6.3	0	1902.20	501.130	118.100	978.390
889	88	14	2.46	10.0	-.0	0	1902.20	501.130	118.100	978.390
890	89	1	2.46	9.4	-.0	0	1902.20	501.130	118.100	978.390
891	89	2	2.46	9.4	2.1	0	1902.20	501.130	118.100	978.390
892	90	1	2.66	14.2	-.1	0	2211.80	500.130	100.920	968.010
893	90	2	2.66	14.2	2.1	0	2213.20	500.440	100.980	968.620
894	92	3	2.46	14.2	-.1	0	1902.10	500.710	117.900	977.520
895	92	4	2.46	14.2	2.1	0	1902.80	500.890	117.940	977.870

Table LXXXV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 599	R: 600	R: 601	R: 602	R: 603	R: 604	R: 605	R: 606	R: 607	R: 608	R: 609	R: 610	R: 611	R: 612
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	225.0	245.2	267.8	290.9	315.6	342.5	371.6	403.1	433.2	463.5	495.3	524.8	557.5	587.4
3	337.5	343.4	349.5	354.8	358.9	362.9	365.0	368.1	369.1	367.7	366.1	362.0	357.2	353.1
4	294.0	300.5	305.1	309.3	312.4	315.0	315.8	317.9	318.2	315.5	315.5	311.6	308.0	305.0
5	348.7	349.2	351.1	351.9	352.5	351.5	351.5	350.5	348.3	344.0	341.2	337.0	331.9	326.7
6	298.8	300.8	301.5	301.2	300.3	299.8	297.3	295.8	293.8	291.1	288.0	283.6	278.6	274.1
7	358.3	354.5	352.6	350.0	346.3	342.8	338.9	334.6	330.2	325.7	319.1	315.2	309.8	304.0
8	308.8	308.2	306.1	303.9	299.3	296.2	292.0	287.6	285.3	279.9	276.7	272.0	267.2	263.2
9	382.8	355.6	330.4	305.7	282.1	260.4	237.0	215.5	196.8	179.7	164.2	149.5	137.0	124.9
10	176.1	192.5	211.3	231.2	252.5	276.1	300.7	327.6	355.6	384.1	413.0	443.1	474.2	502.7
11	314.3	313.8	312.3	311.3	312.5	311.1	309.3	307.7	305.1	302.8	298.8	292.5	287.2	286.1
12	266.6	266.9	267.1	265.8	264.4	262.9	259.4	257.5	257.1	253.9	251.8	245.7	240.9	237.0
13	304.2	300.9	297.3	295.8	295.6	294.6	294.0	294.0	292.8	292.6	292.9	291.6	290.6	288.5
14	259.0	258.6	255.9	250.9	250.7	249.2	246.4	246.5	246.8	246.1	246.3	243.7	241.2	237.2
15	295.9	293.4	291.7	290.0	287.7	285.7	282.8	279.4	274.9	271.7	269.3	266.0	264.2	264.3
16	245.8	245.4	243.4	240.1	237.6	236.0	232.5	231.4	229.9	228.1	227.4	224.5	223.0	221.7
17	391.0	361.9	334.2	305.6	279.4	255.6	230.4	207.6	188.1	170.1	155.9	142.7	128.7	117.7
19	233.9	236.6	237.6	234.8	235.6	236.5	236.4	238.0	237.5	239.0	240.1	239.6	239.6	238.3
20	191.3	193.3	195.5	195.6	195.3	196.3	195.4	196.3	197.8	197.6	199.4	196.1	193.3	193.3
21	216.0	214.5	215.3	215.2	216.8	217.6	219.2	220.3	221.5	220.2	219.6	217.0	216.3	214.9
22	177.9	178.8	179.0	179.3	180.3	180.6	181.6	182.9	183.8	182.6	182.2	180.6	180.7	180.5
23	180.6	179.9	181.5	182.6	182.4	183.5	181.2	183.1	181.8	180.7	183.2	185.0	185.1	185.2
24	150.9	151.4	151.2	151.5	150.6	148.5	144.7	147.4	146.2	145.8	147.8	148.7	148.1	148.1
25	173.5	171.9	171.7	171.0	171.3	171.7	170.6	170.7	169.2	168.4	168.6	168.7	169.6	170.4
26	144.7	145.5	145.1	144.7	144.8	143.6	141.7	141.6	141.2	140.0	139.8	139.5	140.3	141.4
43	289.5	290.6	296.5	303.3	311.9	319.0	324.6	330.7	332.5	334.9	337.1	337.6	336.4	334.0
44	248.1	248.6	251.3	256.0	260.2	264.7	267.0	269.8	273.3	273.9	276.7	275.9	275.7	276.1
67	160.8	161.3	163.5	165.7	167.8	169.0	170.3	172.6	172.9	173.5	175.8	177.6	178.3	178.8
68	136.2	139.1	141.5	142.6	143.4	144.3	143.7	145.0	145.5	145.6	148.6	149.1	148.2	149.1
85	386.1	387.2	388.0	389.0	390.3	391.7	391.7	389.0	385.0	381.5	377.7	371.4	364.7	354.6
86	340.9	343.9	346.3	346.5	345.0	344.2	341.6	339.5	338.8	334.6	331.0	324.5	318.1	311.8
87	280.7	297.2	317.0	337.7	358.3	380.4	403.3	425.8	445.6	466.7	488.6	508.7	528.6	544.5
88	254.9	272.7	291.8	310.6	329.7	349.7	369.5	391.1	412.5	432.3	452.7	469.5	488.6	505.8
89	117.6	129.0	140.9	153.0	168.0	185.5	203.2	224.7	245.8	268.5	292.6	315.6	343.9	370.5
90	114.9	125.3	137.3	149.6	164.3	180.3	197.5	218.5	239.4	261.2	282.7	304.7	332.5	357.6
91	114.5	124.4	136.4	149.5	164.6	180.7	198.2	219.8	240.8	263.3	287.2	310.5	339.6	367.1
921	416.2	389.0	362.9	336.1	310.2	286.3	262.3	240.3	219.8	200.1	183.5	167.2	152.7	139.8

Table LXXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 599 Pi	R: 600 Pi	R: 601 Pi	R: 602 Pi	R: 603 Pi	R: 604 Pi	R: 605 Pi	R: 606 Pi	R: 607 Pi	R: 608 Pi	R: 609 Pi	R: 610 Pi	R: 611 Pi	R: 612 Pi
922	258.5	280.3	303.6	328.7	354.2	381.6	411.7	443.0	472.8	503.3	537.4	572.0	607.3	639.5
93	172.0	188.1	206.3	225.7	246.8	269.3	294.2	320.9	349.0	375.3	404.6	433.9	464.2	492.9
94	248.7	269.5	292.7	317.3	342.8	370.2	399.6	433.1	464.5	497.3	532.6	565.4	597.8	628.2
95	121.7	132.3	145.0	158.7	174.9	191.8	211.0	233.4	256.4	280.1	306.0	329.4	358.5	384.8
125	196.9	198.1	200.6	200.7	199.9	198.1	194.3	190.9	185.9	182.5	181.0	178.4	176.7	174.5
126	169.9	173.2	173.5	173.1	172.6	171.3	168.2	165.7	162.6	158.9	157.3	154.3	152.6	152.6
128	302.3	276.8	254.9	234.0	213.1	194.5	177.4	163.2	150.5	138.4	129.4	121.0	113.7	107.3
132	104.6	110.1	116.9	124.1	134.9	145.8	158.4	175.0	191.2	209.7	231.2	254.5	276.4	297.8
201	850.9	828.5	799.4	771.0	740.2	709.0	675.5	641.7	609.0	576.6	544.5	509.3	474.9	447.8
202	938.3	927.2	912.0	894.5	874.4	852.7	828.1	802.8	776.3	748.9	720.5	692.7	662.3	632.4
203	968.3	967.4	964.3	958.7	949.8	939.6	925.1	908.5	889.6	868.2	844.8	820.9	793.3	763.5
204	924.4	938.2	948.7	957.5	962.1	966.4	965.6	964.4	959.0	951.5	939.6	925.8	908.3	889.1
205	809.5	834.2	858.2	880.5	899.7	919.3	934.2	946.7	957.0	965.2	968.1	968.9	964.3	958.4
206	670.4	702.4	732.4	763.3	791.7	820.3	848.3	872.3	895.1	914.3	930.3	944.0	953.2	959.5
207	559.3	591.2	623.8	656.9	687.2	719.7	750.1	780.6	809.6	834.3	858.5	881.4	901.3	916.6
208	501.3	528.4	557.3	586.6	614.0	644.1	677.0	708.0	737.9	766.6	794.2	821.3	845.5	866.8
209	751.5	757.2	762.6	765.3	766.9	765.6	762.7	755.9	746.8	735.5	723.2	709.2	693.1	677.8
210	838.0	847.0	856.4	861.9	865.3	865.3	864.6	860.8	852.3	841.7	828.9	814.0	796.8	782.2
211	906.1	917.7	929.1	936.6	940.1	943.5	944.7	942.0	935.8	926.7	914.4	898.8	884.3	866.2
212	888.1	898.7	908.5	915.9	921.2	925.1	923.8	922.3	917.8	910.4	901.1	886.6	868.3	851.8
213	808.2	818.0	825.5	829.7	832.1	834.0	830.9	828.0	823.2	814.3	804.3	791.7	775.6	760.0
214	698.6	706.4	710.7	712.0	711.8	710.9	706.6	701.7	697.5	687.9	677.7	666.9	652.4	637.5
215	403.5	377.5	351.8	326.9	302.4	279.3	255.7	234.1	214.2	195.4	179.1	163.1	148.4	136.4
216	371.3	374.9	381.5	386.7	392.1	396.3	399.6	401.7	400.8	400.9	399.2	397.7	393.6	388.3
217	325.7	332.5	337.8	342.1	344.0	346.5	347.6	349.0	351.0	349.3	348.7	344.6	340.1	336.0
218	258.1	279.5	303.7	328.5	354.1	382.8	412.0	444.0	474.7	505.5	538.3	570.5	604.9	636.6
219	203.8	205.7	208.7	210.4	212.1	214.0	215.8	217.1	217.3	216.8	216.3	217.5	216.6	215.8
220	172.5	175.4	177.6	178.0	179.8	179.7	180.4	181.1	181.8	181.5	182.3	182.5	181.8	180.9
221	164.8	164.3	165.3	166.2	167.4	168.5	169.0	170.4	170.7	171.2	172.9	173.3	175.7	176.9
222	136.0	138.5	140.0	140.8	141.1	141.1	141.0	141.1	141.6	141.1	141.7	141.9	143.7	144.7
223	156.2	157.6	159.4	160.9	163.2	165.2	166.4	168.6	169.6	170.4	172.3	174.1	173.7	172.4
224	131.0	133.0	135.0	135.1	137.1	138.1	137.6	138.5	138.8	138.9	141.2	140.6	141.0	136.6
225	309.0	285.2	264.3	242.5	222.6	203.8	185.5	169.1	155.3	142.3	131.6	122.0	113.2	107.2
226	561.0	530.2	500.2	470.3	442.4	415.8	385.9	356.4	329.7	303.4	279.9	256.8	234.1	213.8
227	636.5	604.2	571.1	536.6	501.4	468.8	437.2	405.5	376.9	348.7	323.4	297.1	273.4	251.2
228	729.8	696.3	662.9	627.1	590.2	553.0	510.1	469.7	436.8	405.6	376.3	348.3	322.6	300.9

Table LXXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 599 Pi	R: 600 Pi	R: 601 Pi	R: 602 Pi	R: 603 Pi	R: 604 Pi	R: 605 Pi	R: 606 Pi	R: 607 Pi	R: 608 Pi	R: 609 Pi	R: 610 Pi	R: 611 Pi	R: 612 Pi
229	345.7	371.1	399.3	427.7	458.7	489.8	523.3	557.6	589.8	621.9	652.8	683.4	715.5	744.6
230	131.4	143.6	157.9	173.1	190.2	208.4	228.7	252.7	276.0	300.2	326.3	352.7	383.2	410.2
231	528.6	527.1	527.5	525.4	523.0	520.2	516.0	510.4	502.9	495.2	486.0	476.6	466.4	455.0
232	678.3	680.3	682.8	681.8	681.4	678.1	673.3	665.8	655.5	645.5	633.6	619.1	604.1	587.5
233	610.0	613.4	614.2	612.3	609.4	606.4	599.7	593.1	585.5	578.1	567.8	555.4	541.3	528.2
234	466.1	467.3	465.7	463.0	457.7	453.2	448.1	441.4	435.9	428.3	420.9	410.9	401.0	391.3
235	195.8	203.1	211.9	220.2	229.1	236.8	242.6	248.7	252.4	254.6	257.6	258.9	262.3	263.2
236	162.8	176.7	191.8	206.6	221.0	236.1	251.1	266.3	280.5	293.6	306.7	319.0	328.6	342.3
237	132.9	144.3	158.0	173.0	189.9	206.0	224.5	247.6	270.3	293.7	318.0	344.6	370.9	395.1
238	124.8	136.8	150.9	165.4	182.5	200.7	220.6	243.6	266.4	289.2	315.8	341.1	370.2	396.3
239	121.2	132.3	145.0	159.2	175.2	192.8	211.5	234.8	256.7	280.9	306.2	331.0	359.0	386.3
240	94.6	101.9	110.9	120.4	132.4	145.3	162.8	183.5	202.6	221.1	241.4	264.1	286.7	312.2
241	101.3	117.9	131.2	145.3	160.5	173.6	186.9	200.8	212.3	225.5	239.0	249.7	261.3	273.4
242	72.9	65.6	59.8	54.0	49.9	45.5	40.8	39.3	37.0	35.9	35.6	35.4	33.9	33.6
243	183.1	171.3	160.8	148.5	137.4	126.1	114.2	104.5	95.1	86.3	80.4	74.5	67.6	63.5
244	299.4	274.4	253.2	232.1	213.2	196.0	178.7	163.6	150.4	137.9	127.9	118.7	110.3	104.2
245	305.1	283.2	257.4	235.7	216.2	197.5	179.0	163.8	149.7	137.1	127.9	118.4	110.0	104.1
246	264.6	258.0	250.0	239.0	228.2	223.0	230.3	236.3	238.5	238.7	238.6	237.4	237.3	236.2
247	203.9	206.7	211.3	215.6	220.9	223.7	225.8	226.6	226.0	226.7	223.4	220.0	213.7	204.0
248	189.2	186.6	186.4	185.8	185.2	183.6	181.2	178.8	175.7	173.2	171.6	170.8	170.1	166.9
249	160.2	160.1	159.5	158.3	157.1	155.2	153.0	151.5	148.9	147.0	146.5	145.7	142.1	138.9
250	171.1	179.1	180.6	177.3	172.4	168.0	162.2	157.5	149.9	143.9	138.6	132.0	122.6	117.0
251	117.3	114.4	112.5	112.6	113.2	113.5	112.7	113.8	114.1	114.9	114.4	115.5	118.2	119.3
252	369.0	394.8	420.8	447.8	476.3	508.2	544.5	580.1	613.8	646.6	679.1	710.0	741.1	770.4

Table LXXXVI: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 614	R: 615	R: 616	R: 617	R: 618	R: 619	R: 620	R: 621	R: 622	R: 623	R: 624	R: 625	R: 626	R: 627
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	225.0	244.6	266.9	290.3	314.9	341.7	369.0	399.1	430.2	461.3	491.8	524.2	556.3	586.9
3	312.9	317.5	322.1	327.3	330.3	334.4	336.8	338.7	338.9	338.2	336.6	335.8	330.8	326.3
4	321.8	327.3	333.3	338.2	341.0	345.1	347.4	348.0	347.4	346.6	345.5	342.4	339.0	334.4
5	321.5	322.2	323.2	323.2	322.8	323.4	322.4	321.3	319.0	316.6	316.5	313.3	307.2	301.4
6	327.2	328.4	329.9	330.0	329.0	328.8	327.2	325.0	322.3	319.0	315.9	312.0	305.9	300.4
7	331.8	328.0	325.6	321.8	318.3	315.4	311.3	307.9	304.1	299.7	297.3	292.5	286.7	281.9
8	339.1	336.3	335.2	332.2	327.8	324.5	320.5	316.3	312.4	307.1	302.5	298.6	292.9	288.3
9	380.1	353.3	328.6	304.0	279.9	257.7	235.9	215.7	196.9	179.7	163.2	149.1	136.8	125.8
10	175.5	191.8	210.5	230.1	250.7	273.7	298.8	324.5	351.8	380.5	410.6	441.9	472.5	503.1
11	287.9	287.6	286.2	285.8	285.5	283.2	281.7	280.6	280.2	278.9	275.4	270.2	264.5	262.3
12	292.5	293.9	294.4	293.8	293.3	292.0	288.8	287.1	284.2	279.4	275.5	270.9	267.6	264.5
13	277.8	274.4	271.2	269.6	270.1	268.8	268.8	268.5	269.1	269.1	268.8	268.7	267.1	265.8
14	284.5	284.5	282.2	279.2	278.0	276.5	274.6	273.0	273.1	271.0	269.5	268.4	264.2	260.0
15	271.0	268.5	267.5	265.8	264.0	261.8	258.8	255.5	252.7	250.0	247.4	245.9	243.0	241.7
16	270.2	269.3	267.9	266.1	263.1	261.0	258.4	256.0	253.6	250.4	248.8	246.7	244.8	243.3
17	389.7	361.1	332.9	305.1	278.7	253.2	227.1	206.4	186.9	170.0	156.7	141.6	128.9	118.9
19	207.8	212.5	214.6	213.1	213.0	213.7	214.5	215.0	215.6	216.2	216.6	217.4	217.2	218.2
20	209.3	211.4	213.8	214.8	214.4	215.7	215.1	216.6	216.6	217.0	217.0	216.4	212.5	208.5
21	195.9	194.6	195.7	196.1	196.4	198.3	198.6	200.3	200.6	200.0	199.5	198.6	197.3	196.6
22	194.2	195.5	197.0	196.9	197.2	198.9	199.9	200.7	201.4	200.3	198.7	197.4	196.6	197.0
23	164.7	164.3	165.6	166.5	165.8	166.4	164.5	166.7	166.4	166.3	166.7	169.8	169.3	169.9
24	163.7	164.1	163.9	163.9	161.4	160.4	157.7	159.3	158.0	157.6	158.5	159.6	159.6	160.9
25	158.5	157.5	156.6	156.4	156.9	157.0	156.3	156.1	155.3	155.2	155.0	155.3	154.2	156.1
26	157.4	157.4	157.2	156.3	155.7	155.5	154.3	154.1	153.7	153.5	152.9	153.2	153.7	155.1
43	264.2	267.5	274.1	281.2	287.8	293.3	298.8	302.6	306.3	310.0	311.2	311.3	308.4	307.4
44	272.6	275.3	279.2	284.9	288.8	295.1	298.8	302.6	304.2	305.9	306.1	306.5	305.7	304.9
67	147.4	148.7	151.2	152.7	153.9	154.6	156.1	157.5	158.1	159.4	161.4	163.4	162.1	161.5
68	148.0	149.9	152.7	154.0	154.5	156.7	157.6	159.0	159.2	160.1	161.9	163.9	164.5	164.7
85	356.7	358.5	360.1	361.2	359.6	360.0	358.6	356.7	355.0	353.2	348.2	342.7	336.8	329.8
86	370.0	372.9	374.8	375.2	373.2	372.9	370.9	370.5	367.2	364.2	359.3	353.2	349.0	342.5
87	266.4	283.7	302.4	322.2	339.7	360.0	380.4	401.7	421.9	444.0	465.4	484.6	502.9	520.5
88	268.0	287.2	306.8	326.3	345.4	366.3	387.2	408.0	432.8	452.5	472.2	494.1	513.6	531.9
89	116.3	125.3	137.4	150.8	165.6	181.4	199.1	219.1	240.4	262.5	287.2	312.2	337.9	363.3
90	117.0	126.5	138.0	151.6	166.7	182.9	200.9	220.0	241.3	264.1	288.5	313.0	339.0	365.7
91	114.5	125.0	136.7	149.9	164.2	180.3	198.4	218.8	240.9	263.0	288.3	312.5	339.3	366.2
921	414.2	386.4	360.1	333.0	307.8	283.1	259.9	239.2	219.2	200.2	182.8	166.7	151.9	139.8

Table LXXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 614	R: 615	R: 616	R: 617	R: 618	R: 619	R: 620	R: 621	R: 622	R: 623	R: 624	R: 625	R: 626	R: 627	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	257.5	279.2	302.6	327.9	352.6	380.1	409.5	438.4	469.9	501.5	536.5	572.2	605.7	637.7	
93	170.7	187.0	204.6	224.5	244.4	267.2	291.1	316.9	344.0	373.0	402.9	433.3	463.7	493.2	
94	249.3	270.7	293.7	318.9	344.0	372.1	400.8	431.1	463.7	497.3	532.3	567.2	599.4	630.6	
95	122.7	133.5	146.6	160.6	175.7	193.1	212.0	233.3	256.0	279.6	305.0	333.4	359.6	386.3	
125	175.9	178.7	181.5	182.2	181.1	179.7	176.5	174.0	170.9	167.7	165.0	163.3	160.7	159.1	
126	188.0	189.8	190.5	190.1	188.5	186.8	183.6	180.7	176.3	172.9	170.0	167.0	165.5	165.6	
128	297.3	274.6	252.6	231.9	211.2	193.9	178.1	164.0	150.8	140.0	130.6	122.1	113.8	108.3	
132	105.2	110.2	117.4	125.9	136.9	145.7	158.8	175.4	192.3	209.9	231.5	254.2	275.9	298.2	
201	849.2	824.8	798.7	770.7	740.5	709.7	676.3	642.1	609.5	575.2	541.1	504.9	471.9	447.6	
202	938.2	926.4	913.2	895.9	877.0	856.0	830.9	805.7	777.9	747.6	718.5	688.4	659.0	633.6	
203	966.7	968.7	966.3	960.9	953.2	943.6	929.5	911.9	893.3	868.4	842.6	817.2	791.3	767.1	
204	924.2	938.0	950.6	959.9	967.0	970.4	970.1	966.6	960.9	951.1	937.6	921.8	905.0	890.8	
205	809.4	835.5	860.7	884.9	904.1	923.1	937.4	949.3	959.0	963.9	967.0	965.5	961.7	960.1	
206	668.0	701.7	735.0	766.1	795.8	824.7	850.5	874.0	896.4	913.3	929.8	941.2	950.2	962.1	
207	557.4	591.3	625.3	659.6	689.7	721.1	752.6	781.3	807.9	833.8	856.6	877.5	896.5	917.8	
208	499.4	527.8	557.3	587.1	616.1	645.4	676.1	706.9	736.8	763.7	791.3	816.6	841.2	866.8	
209	721.7	724.3	727.7	730.1	730.5	728.7	724.5	719.4	713.9	705.7	693.7	679.3	662.7	645.9	
210	815.4	822.2	828.8	833.5	836.2	836.6	834.6	830.5	825.9	817.4	805.8	792.1	774.9	756.0	
211	892.3	904.4	915.4	922.2	927.7	930.9	931.0	927.8	922.6	913.8	900.8	885.8	870.5	852.0	
212	899.5	913.4	924.3	933.3	939.2	942.2	941.5	938.6	933.2	922.8	909.9	895.2	879.7	863.4	
213	831.2	842.0	849.8	855.0	857.6	858.9	856.7	853.1	847.5	837.3	824.9	811.9	796.8	776.7	
214	731.8	738.7	741.5	744.3	742.9	742.1	739.2	734.0	727.6	717.5	706.8	695.2	677.8	661.7	
215	400.4	373.6	347.8	322.7	298.1	275.0	252.6	232.0	212.8	194.3	177.4	161.3	147.5	136.0	
216	344.0	348.5	354.5	359.2	361.6	366.1	367.5	369.8	369.7	370.4	370.4	367.4	367.0	363.6	
217	353.1	360.8	367.1	370.5	371.9	376.1	377.1	380.8	380.5	379.2	376.3	374.4	372.1	369.6	
218	255.3	276.4	300.0	324.8	350.4	378.2	406.9	436.3	468.0	499.2	532.7	566.3	599.9	631.5	
219	186.0	189.0	191.1	192.3	192.8	193.9	196.0	195.8	197.2	196.5	197.8	198.3	197.4	197.1	
220	188.0	192.0	193.9	195.4	196.6	197.3	199.2	199.0	199.4	198.9	200.1	200.0	199.5	199.5	
221	151.5	152.4	153.0	154.2	155.0	154.9	155.6	156.5	156.8	157.8	158.6	159.4	160.0	161.3	
222	149.3	151.0	151.3	152.4	152.9	152.9	154.0	154.3	154.6	155.9	156.3	157.0	158.8	160.7	
223	144.0	145.9	147.3	149.5	150.8	152.4	152.6	154.4	155.5	156.0	157.3	158.0	157.3	159.3	
224	143.2	145.3	147.2	148.0	149.9	150.6	151.8	153.1	154.0	154.2	155.9	157.2	157.1	158.0	
225	309.7	287.0	285.3	244.0	224.2	205.0	187.4	171.6	157.7	144.8	133.9	123.9	114.6	108.0	
226	557.1	526.8	498.1	470.2	442.2	414.1	385.6	356.8	329.2	302.7	278.5	255.3	234.0	214.4	
227	633.5	602.9	570.3	535.7	499.6	466.9	435.4	405.6	377.5	348.9	322.3	296.1	272.9	250.9	
228	726.2	694.8	661.2	625.9	588.6	551.3	508.9	468.5	435.5	404.4	374.2	346.3	322.9	301.0	

Table LXXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R. 614	R. 615	R. 616	R. 617	R. 618	R. 619	R. 620	R. 621	R. 622	R. 623	R. 624	R. 625	R. 626	R. 627
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	342.8	368.6	396.5	426.2	455.8	487.1	520.3	552.9	586.2	617.5	649.5	680.9	712.0	742.6
230	131.7	144.5	158.4	173.7	190.3	208.9	229.0	251.1	275.5	299.6	326.8	353.9	381.8	411.4
231	490.1	490.1	489.1	487.5	485.0	481.8	477.6	473.6	468.1	461.2	452.7	443.7	436.8	426.3
232	645.3	645.5	646.5	647.6	644.7	641.5	636.2	629.0	622.0	612.4	601.2	587.2	572.8	558.2
233	640.5	644.4	645.3	644.8	641.1	637.9	632.7	625.7	617.4	607.7	596.8	583.7	569.3	556.3
234	494.8	496.3	495.0	493.2	488.2	484.3	479.5	473.2	465.8	457.6	448.5	439.0	431.1	422.0
235	179.9	187.4	195.0	201.2	207.9	213.7	218.2	221.9	225.7	229.1	233.1	236.0	235.1	229.1
236	153.8	167.2	179.7	192.9	205.6	218.5	231.3	244.3	257.6	271.0	282.0	291.1	305.4	320.7
237	128.0	139.8	153.4	168.9	184.4	199.1	220.0	241.3	263.3	285.9	309.8	334.6	358.7	383.6
238	124.2	136.6	150.0	164.8	180.5	197.8	217.2	238.3	260.6	284.8	309.7	336.3	362.4	388.7
239	122.1	133.4	145.8	160.4	175.4	192.8	211.6	232.6	255.2	278.9	304.3	332.1	359.7	385.2
240	95.8	105.1	116.2	126.6	137.3	149.9	164.3	181.9	199.9	220.3	239.4	262.5	286.3	310.6
241	103.4	115.5	128.3	141.2	154.1	165.1	176.9	188.0	199.7	210.8	220.4	231.3	245.2	259.8
242	71.4	84.4	97.8	112.3	128.1	145.1	163.9	183.7	205.4	229.1	254.8	282.5	312.2	343.9
243	183.2	171.6	159.2	147.5	135.3	124.8	113.8	104.7	96.2	88.1	81.2	75.4	69.7	64.3
244	296.3	273.4	252.7	233.1	214.5	197.7	179.3	163.4	149.9	138.1	128.0	119.0	111.0	104.9
245	306.7	283.3	258.5	237.2	217.0	199.0	181.4	166.1	151.9	139.6	128.9	119.4	110.5	103.4
246	241.7	236.5	231.3	222.3	212.4	205.4	204.5	211.5	216.0	218.2	218.0	216.2	215.3	214.3
247	186.6	189.1	193.7	197.8	200.7	202.3	203.6	204.3	204.8	203.5	200.7	194.9	187.5	177.3
248	172.3	170.0	169.4	169.1	168.3	167.2	165.2	163.3	161.0	158.5	157.4	156.9	155.6	153.0
249	175.1	174.2	174.2	172.2	170.8	169.0	166.6	164.8	160.5	157.9	156.1	157.9	154.3	152.5
250	144.1	157.6	166.4	167.5	163.8	158.4	152.9	147.1	141.0	134.6	128.8	122.9	112.8	106.8
251	107.3	105.9	103.2	102.3	102.8	102.0	102.0	102.6	102.6	102.7	103.9	104.5	104.8	106.6
252	365.9	392.0	418.7	447.2	475.3	507.1	541.4	576.4	610.3	643.4	676.2	707.1	738.0	768.5

Table LXXXVII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 629 Pi	R: 630 Pi	R: 631 Pi	R: 632 Pi	R: 633 Pi	R: 634 Pi	R: 635 Pi	R: 636 Pi	R: 637 Pi	R: 638 Pi	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi
2	223.5	243.9	266.3	289.3	314.1	340.8	370.0	399.7	428.9	459.8	489.9	522.6	554.5	585.4
3	285.3	290.3	294.6	299.0	303.1	306.6	308.1	309.9	309.7	307.2	304.4	303.7	300.0	297.0
4	347.0	351.9	356.3	360.8	366.0	369.0	372.9	373.5	374.8	376.3	376.6	373.2	369.0	363.1
5	291.6	293.1	293.7	294.5	295.0	295.0	294.5	292.7	292.0	288.4	286.2	283.3	279.1	273.6
6	354.9	355.0	355.5	354.5	354.7	352.9	352.2	349.7	348.9	347.2	345.0	339.1	333.0	326.9
7	301.2	297.6	295.6	292.9	289.8	287.4	282.9	280.6	277.1	272.7	268.8	266.0	261.4	258.2
8	367.3	363.8	359.7	356.8	353.2	348.2	345.2	340.6	338.4	333.6	329.2	323.2	317.5	312.3
9	380.7	354.8	327.9	302.9	279.2	256.5	234.2	214.7	197.3	179.6	164.4	149.7	136.0	124.8
10	174.4	190.4	209.1	228.6	249.5	272.1	297.3	324.1	352.3	380.1	409.8	441.4	472.6	502.6
11	263.4	261.7	260.3	259.7	258.4	256.5	254.0	253.8	253.7	251.8	249.0	245.5	240.3	236.3
12	316.6	317.7	318.2	318.0	319.2	316.7	314.2	311.7	309.6	304.6	299.7	297.9	294.7	293.6
13	252.9	249.0	247.1	245.1	245.3	243.6	243.2	243.3	244.4	244.0	243.9	243.4	243.2	241.9
14	309.1	308.7	305.9	303.4	303.2	300.2	298.6	297.2	297.1	295.9	294.6	291.8	287.9	286.0
15	247.9	246.3	244.1	242.2	239.9	237.8	235.0	233.3	230.7	227.1	225.1	222.7	221.5	219.5
16	293.1	291.5	289.0	287.0	285.4	281.8	280.1	277.2	275.3	272.8	272.0	270.0	268.1	267.5
17	389.2	361.4	332.9	305.4	278.1	250.1	227.1	205.9	186.9	169.1	160.6	144.8	127.9	117.9
19	188.7	192.0	197.0	195.3	194.3	195.5	195.5	195.8	197.0	195.7	196.7	197.0	197.4	197.8
20	234.1	235.0	235.7	235.7	236.4	236.6	237.8	237.9	239.7	240.1	242.7	241.6	239.9	237.1
21	179.1	177.6	178.0	178.4	179.4	180.3	181.5	182.7	184.1	182.8	181.9	180.3	179.5	179.4
22	215.0	216.2	216.6	217.4	218.7	219.3	221.2	222.0	223.1	222.0	220.5	218.8	218.1	218.4
23	151.7	151.7	153.0	154.0	153.6	153.2	151.8	153.5	153.1	152.2	153.8	153.7	153.7	153.3
24	180.5	179.4	178.9	178.9	176.7	176.2	173.4	174.0	173.8	172.7	174.8	176.2	177.7	179.3
25	143.9	143.2	143.1	143.5	143.8	143.4	143.4	142.7	142.7	141.1	140.7	139.0	138.3	139.5
26	172.9	172.5	171.5	170.8	169.9	169.2	168.6	168.2	168.0	167.4	168.1	167.8	168.0	169.8
43	241.6	244.7	250.8	256.0	262.0	266.3	271.4	275.3	279.0	279.9	280.8	280.4	279.0	278.1
44	296.6	301.1	303.8	311.0	317.3	323.1	329.5	331.8	334.6	336.1	337.3	336.8	335.6	336.3
67	133.8	135.1	137.8	139.6	141.1	142.0	143.0	143.8	145.6	144.8	146.0	144.7	143.7	144.2
68	161.1	163.1	165.0	167.1	169.2	171.2	172.6	173.0	174.9	175.2	178.0	179.5	181.1	182.8
85	327.5	329.4	330.5	331.8	332.3	332.3	329.9	329.2	327.2	321.7	316.6	311.0	304.4	298.5
86	396.6	400.6	402.3	403.3	404.5	403.1	402.0	399.4	396.5	392.0	386.8	384.0	378.5	371.8
87	252.2	268.8	285.9	304.5	323.2	342.7	362.6	382.8	402.9	420.6	439.9	458.8	475.7	492.6
88	278.8	298.8	319.6	340.3	362.2	383.3	406.5	429.1	451.2	473.3	494.4	516.7	539.1	557.4
89	114.6	124.9	136.7	149.5	163.7	179.9	197.4	216.5	237.5	257.4	280.9	304.1	332.1	358.2
90	118.3	129.5	142.3	154.8	169.0	186.8	205.8	225.3	247.0	268.7	293.9	318.4	346.4	372.7
91	114.4	124.2	136.0	149.1	163.4	179.9	198.0	218.1	239.0	260.5	285.5	310.9	340.2	367.1
921	414.3	387.2	359.3	331.2	306.5	282.1	258.9	237.6	218.7	200.1	183.1	167.0	152.5	139.8

Table LXXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 629 Pi	R: 630 Pi	R: 631 Pi	R: 632 Pi	R: 633 Pi	R: 634 Pi	R: 635 Pi	R: 636 Pi	R: 637 Pi	R: 638 Pi	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi
922	255.8	279.4	301.9	327.2	352.8	381.8	411.1	441.1	469.4	501.2	535.6	569.8	604.4	636.5
93	170.0	186.3	204.2	223.3	244.3	266.9	291.3	318.2	345.4	372.2	402.8	433.3	463.2	493.1
94	250.5	272.8	295.8	320.0	346.8	375.1	405.2	436.0	467.3	500.1	533.3	568.0	601.4	631.6
95	121.8	133.1	146.4	160.6	177.1	194.8	214.6	235.4	257.8	280.2	305.2	331.4	359.7	388.5
125	159.4	161.9	164.7	165.9	165.7	164.0	161.9	159.5	156.9	153.9	152.6	149.7	147.4	145.8
126	208.8	210.7	211.4	210.0	208.6	205.8	202.9	198.2	194.6	189.9	187.2	184.0	182.7	182.9
128	298.6	275.6	251.8	231.4	210.7	192.2	176.2	162.3	151.3	139.0	130.5	121.8	114.2	108.6
132	103.3	108.2	115.2	123.9	134.6	147.2	160.6	175.5	194.2	209.5	231.8	254.1	274.9	297.1
201	846.8	821.0	794.1	764.7	734.9	702.6	668.9	636.4	604.0	571.8	539.6	505.2	470.5	444.7
202	936.3	922.1	907.1	889.4	869.1	847.8	823.6	798.5	771.3	745.2	717.5	690.4	659.0	632.0
203	965.0	963.6	959.9	954.9	947.0	935.6	922.3	906.0	886.3	865.1	843.7	818.6	792.1	764.4
204	922.3	933.6	944.6	953.7	959.4	962.9	962.9	960.6	955.4	946.6	937.7	925.2	906.7	887.8
205	809.2	833.8	857.4	879.7	899.1	916.8	932.1	944.4	953.6	959.1	966.2	969.0	965.5	959.4
206	669.0	701.1	731.9	763.5	791.8	820.0	846.2	870.0	890.4	909.8	927.4	944.3	953.0	959.8
207	558.9	592.6	625.3	657.8	690.7	720.5	750.6	780.7	806.9	831.8	856.6	879.8	899.3	917.0
208	500.6	528.8	557.3	586.4	615.0	645.9	676.4	706.9	736.1	765.2	791.9	820.1	843.9	866.2
209	687.6	690.9	694.7	698.1	697.3	695.6	692.7	689.4	681.5	672.0	660.1	646.4	632.0	614.4
210	786.5	794.5	800.0	804.6	806.2	808.2	806.9	804.3	798.4	790.0	780.0	765.3	751.2	732.4
211	877.1	887.3	896.9	902.7	906.5	909.6	909.3	908.9	902.9	896.4	885.9	873.1	857.9	838.7
212	912.0	923.8	933.4	942.4	947.4	951.4	951.4	946.8	942.3	934.8	922.5	909.0	892.7	873.4
213	854.0	865.3	873.8	879.3	881.2	882.9	882.0	877.2	871.1	863.2	848.1	833.5	817.6	801.0
214	763.0	771.4	776.9	778.0	778.1	776.9	774.5	767.6	760.4	750.5	737.7	724.0	707.8	692.5
215	399.9	373.0	347.0	320.8	296.5	272.6	250.0	230.0	211.6	193.2	177.1	161.8	147.2	134.7
216	315.5	320.8	325.9	330.4	333.8	337.7	338.7	341.3	342.2	340.6	338.6	336.1	333.3	330.7
217	378.0	386.9	392.2	398.6	402.4	405.1	407.6	408.1	407.5	406.7	406.0	406.1	403.7	400.0
218	252.5	275.0	298.1	322.9	348.1	376.5	404.9	435.5	465.5	496.4	528.5	562.6	594.5	626.2
219	169.9	172.8	174.0	175.0	176.2	177.3	178.4	179.3	180.5	179.5	179.6	179.9	179.0	178.3
220	206.6	210.8	213.7	216.3	218.1	218.0	220.3	220.3	221.0	220.3	221.2	221.6	222.4	222.9
221	136.5	137.6	138.6	139.5	140.3	140.7	141.4	141.6	142.8	141.0	141.2	142.3	143.9	145.7
222	162.0	164.1	164.2	165.1	165.4	165.3	166.6	167.1	168.5	168.5	170.3	170.9	173.2	176.2
223	130.4	132.8	134.5	135.7	137.3	137.8	137.9	138.5	139.8	139.0	140.5	140.7	140.6	136.4
224	153.7	156.1	157.7	159.9	162.0	162.4	163.5	164.9	167.3	167.3	170.3	172.4	173.8	174.9
225	307.6	285.0	262.0	240.6	220.8	201.8	184.6	168.8	156.1	142.4	131.9	122.0	113.1	106.7
226	557.1	527.1	497.6	469.4	441.4	412.9	383.7	355.7	328.3	303.7	278.3	255.4	234.2	215.1
227	632.9	601.8	568.5	533.8	499.3	466.2	434.0	404.7	377.0	350.7	324.5	298.3	273.6	251.5
228	725.9	693.1	658.7	623.5	587.4	548.9	506.0	467.6	434.1	404.0	375.7	349.0	324.1	301.4

Table LXXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 629 Pi	R: 630 Pi	R: 631 Pi	R: 632 Pi	R: 633 Pi	R: 634 Pi	R: 635 Pi	R: 636 Pi	R: 637 Pi	R: 638 Pi	R: 639 Pi	R: 640 Pi	R: 641 Pi	R: 642 Pi
229	342.8	370.2	397.7	426.7	456.9	489.5	522.6	555.3	587.1	619.3	651.0	682.1	711.9	740.6
230	131.3	143.9	158.0	173.7	190.6	209.0	229.9	253.0	276.3	300.0	327.0	354.7	382.3	409.4
231	460.1	458.8	456.9	455.4	452.5	450.0	444.8	441.4	435.7	429.7	422.9	414.3	404.5	393.4
232	609.9	612.6	613.0	613.3	611.3	608.7	603.7	598.3	589.0	578.8	567.8	555.5	539.9	524.7
233	675.8	679.5	681.1	680.1	677.9	673.4	669.1	660.2	651.7	641.6	630.2	617.1	603.0	588.3
234	531.2	534.5	532.8	529.6	524.2	520.7	515.3	509.2	502.5	494.9	484.9	473.9	462.5	451.6
235	165.2	172.3	178.7	184.3	189.8	195.3	198.5	202.3	206.5	207.8	210.3	210.5	204.2	201.2
236	145.9	157.2	170.1	181.5	192.8	204.1	216.5	228.5	240.3	247.1	257.6	274.4	288.8	302.0
237	126.3	138.2	150.8	164.6	179.5	196.9	215.5	236.1	258.2	278.0	300.2	322.7	345.5	369.6
238	124.1	135.5	148.1	162.6	178.6	196.0	214.7	235.2	258.0	279.8	303.5	327.2	353.8	380.2
239	121.3	132.6	145.0	159.4	175.3	192.9	212.3	233.3	255.7	277.3	302.2	328.4	355.7	383.0
240	100.6	108.1	116.9	127.1	138.4	151.2	165.9	182.3	202.4	220.2	239.7	257.9	278.0	301.7
241	104.0	114.1	124.6	135.2	146.0	155.4	164.4	173.7	185.5	194.3	203.7	213.6	227.1	236.4
242	71.3	64.2	58.1	52.7	48.1	43.4	40.3	38.1	37.8	34.9	35.3	34.2	33.2	32.9
243	182.9	172.3	159.0	148.0	135.9	124.7	113.7	103.5	95.4	85.5	80.6	74.9	68.9	64.5
244	296.4	272.3	251.2	230.6	212.4	194.1	178.0	162.9	149.1	136.9	127.9	118.9	110.8	104.8
245	303.7	282.2	254.6	233.1	213.8	194.8	178.1	162.8	150.5	137.2	127.8	118.4	110.0	103.9
246	221.0	217.5	212.6	205.0	197.5	189.1	185.6	191.9	195.5	196.9	198.0	196.6	195.1	194.8
247	170.4	172.9	176.7	180.5	182.1	183.2	183.7	183.4	183.7	181.4	177.5	171.2	161.7	153.4
248	157.0	156.0	155.6	155.5	154.9	154.7	152.7	151.3	149.3	145.7	144.9	143.7	141.4	138.3
249	193.1	193.1	191.6	189.0	187.3	184.7	182.6	179.3	177.1	174.3	172.5	174.7	171.3	168.3
250	112.1	130.3	144.0	151.9	152.1	149.9	144.4	137.3	131.0	123.4	117.3	111.3	101.9	95.9
251	101.2	101.4	99.4	96.6	95.1	93.5	93.2	93.7	94.5	93.6	95.6	95.9	95.8	96.6
252	365.7	392.4	419.8	448.0	478.1	510.6	545.9	579.7	611.9	644.5	677.1	708.3	739.1	767.0

Table LXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 644	R: 645	R: 646	R: 658	R: 647	R: 648	R: 649	R: 650	R: 657	R: 652	R: 653	R: 654	R: 655	R: 656	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	227.9	245.4	266.7	291.8	315.6	341.6	368.5	398.2	427.5	457.8	488.8	520.1	552.0	583.3	
3	249.3	251.3	254.8	258.4	260.6	263.5	262.8	262.5	261.7	261.7	259.1	257.4	254.6	250.3	
4	401.5	411.7	419.0	425.0	428.1	434.0	436.6	439.6	440.4	441.2	439.5	438.2	436.0	432.9	
5	253.1	252.2	253.2	254.1	252.5	252.7	251.4	249.9	248.7	246.7	244.7	240.6	236.8	230.4	
6	412.1	417.4	418.3	419.1	417.1	417.4	415.6	414.3	410.6	407.8	402.4	398.2	394.7	388.5	
7	260.0	255.8	254.0	252.5	250.0	246.5	243.2	239.6	237.0	233.4	231.4	227.0	223.6	220.2	
8	425.3	427.3	423.3	420.3	415.6	412.8	407.6	401.8	396.7	390.9	385.8	379.8	376.1	369.7	
9	374.0	351.7	326.0	300.3	277.5	255.5	234.6	214.2	196.2	179.4	164.3	149.4	136.7	125.6	
10	177.4	192.3	210.4	231.7	251.4	274.6	299.0	324.5	351.9	378.8	408.9	439.5	471.0	502.5	
11	224.6	221.6	220.4	219.7	218.7	216.3	214.5	213.1	212.5	211.2	208.9	205.2	200.8	194.3	
12	372.3	376.8	376.5	376.7	377.0	377.9	376.8	373.1	369.6	366.2	359.6	356.0	357.0	355.8	
13	214.2	210.6	208.9	208.8	208.2	207.5	206.7	205.7	206.0	205.8	205.1	204.1	203.4	201.0	
14	365.4	367.1	364.7	363.0	360.8	360.4	358.3	357.2	355.9	354.4	350.7	347.0	344.8	343.8	
15	210.8	208.3	206.9	206.5	205.2	203.4	200.4	197.5	195.3	192.8	190.6	187.9	185.9	183.7	
16	345.8	347.5	345.0	341.9	338.3	336.4	334.2	331.5	330.0	328.2	326.3	325.0	324.0	319.8	
17	372.9	348.5	322.1	296.7	271.9	249.7	228.5	208.1	188.4	168.7	153.1	138.6	126.9	116.5	
19	158.2	160.1	162.7	165.5	163.9	164.7	164.9	164.6	164.3	164.4	165.1	164.4	163.9	163.2	
20	275.4	278.8	280.0	280.7	280.4	282.1	283.2	283.8	283.6	283.7	284.3	287.0	290.1	286.8	
21	151.6	149.7	150.5	151.4	151.7	153.0	153.5	153.0	152.1	150.6	149.6	147.1	147.3	148.9	
22	256.7	256.3	256.6	257.6	258.4	261.4	263.9	265.6	266.8	267.3	266.5	268.7	267.0	266.2	
23	130.7	129.4	131.4	134.0	133.2	132.7	129.8	130.3	129.0	128.2	126.8	125.4	124.9	123.2	
24	214.3	217.2	216.6	216.8	214.5	213.4	210.7	211.5	209.1	208.6	208.5	209.7	213.7	218.6	
25	122.5	122.2	122.1	122.7	122.3	122.3	121.4	120.0	118.7	117.3	115.7	114.3	114.8	115.8	
26	211.3	212.4	209.8	208.0	207.0	207.0	206.2	205.5	205.4	206.0	206.7	208.0	209.1	209.9	
43	207.8	209.7	214.8	221.1	224.3	228.8	231.0	232.9	234.9	235.3	235.0	234.2	233.4	232.2	
44	352.6	359.3	363.1	371.4	377.7	388.1	395.6	402.2	407.2	412.3	415.4	416.2	416.0	417.9	
67	115.7	116.9	118.4	119.7	119.2	119.7	120.1	119.2	118.8	118.5	117.5	115.9	116.1	114.3	
68	196.9	201.3	202.6	203.5	204.7	207.2	210.4	211.3	213.6	215.8	219.0	221.4	223.7	227.2	
85	284.6	283.4	284.5	285.4	286.4	285.2	282.1	280.3	277.5	274.5	270.3	264.8	259.7	253.0	
86	459.8	466.4	468.2	469.4	469.4	470.6	469.8	468.1	464.0	460.5	455.6	450.3	443.6	437.4	
87	232.7	244.4	260.0	278.3	293.3	310.5	327.7	345.6	362.8	379.9	396.4	414.6	431.3	444.7	
88	309.6	329.2	352.2	376.4	398.5	423.4	447.1	471.5	494.5	517.9	541.0	564.6	586.2	607.8	
89	114.5	122.8	133.9	147.4	160.6	175.9	192.1	210.1	229.4	249.2	272.9	296.1	320.1	344.4	
90	122.6	133.1	146.6	162.9	178.1	196.8	216.1	235.6	256.1	279.0	303.7	329.9	356.5	384.4	
91	117.1	125.8	137.3	151.7	165.7	182.3	200.2	220.4	242.6	265.0	289.4	314.1	340.6	366.5	
921	407.8	383.6	357.8	331.0	306.4	283.8	260.8	239.0	219.1	200.0	183.4	167.0	152.9	139.7	

Table LXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 644	R: 645	R: 646	R: 658	R: 647	R: 648	R: 649	R: 650	R: 657	R: 652	R: 653	R: 654	R: 655	R: 656
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	260.4	279.7	302.7	328.9	354.8	381.9	410.3	440.4	469.7	501.2	535.9	570.1	603.6	634.4
93	172.9	187.2	205.4	226.0	246.1	268.8	292.5	317.7	344.8	372.4	401.4	431.7	462.6	492.5
94	258.5	276.8	301.0	327.4	352.2	381.1	410.5	441.6	472.6	505.7	539.7	573.3	606.2	636.1
95	124.0	134.8	147.6	163.6	178.3	196.6	216.0	237.6	259.5	284.5	311.0	338.8	366.3	393.9
125	132.2	130.8	134.2	138.3	138.7	138.7	137.7	134.6	132.3	129.4	129.5	128.2	124.1	120.3
126	254.3	257.4	256.2	253.0	250.1	247.3	243.5	239.9	235.3	230.8	226.3	222.9	221.6	220.2
128	291.0	270.6	249.5	228.7	209.5	192.1	177.4	166.3	153.5	148.3	149.8	134.5	134.5	110.3
132	101.9	107.1	115.4	124.9	135.6	147.0	160.7	175.3	191.8	210.7	233.2	254.6	276.7	300.0
201	833.5	810.7	784.2	754.8	724.8	693.2	662.6	630.1	598.2	566.7	532.4	496.8	465.4	439.4
202	923.5	910.9	895.5	877.2	857.9	835.9	813.8	789.2	765.4	738.8	710.7	682.9	653.7	624.7
203	954.5	952.9	949.8	946.0	936.2	925.8	912.1	895.3	878.7	857.4	836.0	810.8	784.4	756.5
204	913.0	922.9	934.3	944.8	950.5	952.2	953.1	950.4	945.7	937.9	926.0	913.7	896.1	877.4
205	805.2	826.4	849.4	872.9	890.9	908.3	923.3	935.2	945.0	951.6	955.3	956.3	954.0	948.2
206	667.1	694.7	724.9	758.2	785.3	812.5	837.2	860.9	883.4	902.8	917.5	930.6	941.6	948.2
207	560.9	588.4	621.2	655.0	684.8	714.5	745.3	773.2	801.0	826.9	848.9	871.2	891.0	906.3
208	501.3	525.1	553.5	585.3	611.8	640.3	671.7	701.4	730.9	759.4	785.7	812.2	836.2	857.0
209	621.7	622.2	625.4	629.5	629.3	627.8	624.4	619.9	613.3	605.3	595.3	584.4	571.2	557.0
210	729.8	733.4	740.4	747.7	750.3	750.4	748.0	744.4	739.0	730.9	721.3	710.3	696.9	680.0
211	840.5	847.0	856.6	866.2	871.3	873.2	873.2	869.8	865.5	858.7	848.1	837.6	821.1	804.3
212	931.2	942.8	951.8	961.1	965.8	967.8	969.4	965.8	959.5	952.3	939.7	927.1	910.1	890.5
213	895.0	906.8	913.9	920.6	922.8	924.1	923.1	918.2	911.5	903.0	890.1	877.2	860.9	841.9
214	821.6	830.3	835.3	838.6	837.7	837.5	833.9	828.6	819.8	809.5	796.5	784.3	768.4	752.2
215	390.9	367.7	343.2	317.0	293.9	271.1	248.8	228.7	208.6	191.1	175.0	159.4	146.2	134.2
216	276.3	277.1	281.9	286.0	288.9	290.0	290.8	291.7	292.4	291.5	291.6	288.7	286.0	281.9
217	441.1	451.4	457.8	463.7	468.5	473.2	475.9	476.3	476.3	475.9	474.2	472.5	469.9	465.0
218	252.8	270.6	293.1	319.4	344.4	370.9	397.9	426.7	457.8	489.1	520.9	553.5	585.9	615.8
219	145.8	145.6	147.7	148.6	149.3	149.5	149.5	149.5	148.5	147.6	146.7	146.0	145.1	143.7
220	248.3	249.3	252.2	255.7	258.9	261.4	263.4	266.0	265.5	265.7	266.5	269.0	271.9	271.0
221	118.6	118.6	120.6	121.1	120.7	121.8	121.5	120.7	119.3	117.8	117.7	117.6	117.9	117.5
222	197.2	199.5	200.4	200.9	200.9	202.5	204.3	205.3	206.1	206.9	208.1	209.9	213.6	216.3
223	115.1	115.8	117.3	118.0	118.5	119.1	117.5	116.1	114.5	114.3	113.3	108.2	92.1	86.2
224	185.6	189.5	190.3	192.9	195.8	198.1	200.5	202.2	204.1	205.9	209.0	212.7	215.0	216.3
225	303.2	282.6	261.2	238.2	218.2	199.7	182.4	166.5	151.8	139.0	128.6	118.9	110.7	103.2
226	550.8	524.3	495.6	466.4	438.3	409.9	382.0	354.4	328.8	303.3	279.4	257.3	235.8	216.6
227	624.9	596.5	564.2	529.3	497.5	465.8	435.8	406.8	380.1	352.8	327.1	300.8	277.1	255.7
228	715.8	687.1	653.6	617.8	583.2	546.0	504.3	467.0	434.3	405.0	378.4	352.8	326.8	303.3

Table LXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 644	R: 645	R: 646	R: 658	R: 647	R: 648	R: 649	R: 650	R: 657	R: 652	R: 653	R: 654	R: 655	R: 656	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	345.4	369.5	397.8	429.0	457.8	488.7	520.9	552.7	584.6	615.6	646.7	677.4	708.4	735.6	
230	134.7	145.7	160.0	177.0	193.0	212.2	232.7	254.6	276.9	301.3	326.4	354.6	383.1	413.9	
231	405.0	402.1	402.1	401.3	398.3	394.1	388.9	383.2	378.6	372.6	366.0	358.6	351.2	343.1	
232	546.4	545.2	546.3	547.5	544.9	541.9	536.1	532.2	523.8	515.3	505.9	495.3	483.0	470.5	
233	738.0	744.3	745.7	746.4	742.6	738.7	733.9	727.2	717.0	707.1	694.8	682.2	669.0	653.6	
234	598.9	601.7	601.1	598.3	593.5	590.2	585.4	579.1	571.0	563.1	554.8	545.1	533.2	521.1	
235	146.0	149.5	154.8	159.5	162.7	165.0	166.0	167.7	167.7	165.7	160.5	158.1	163.7	168.8	
236	138.0	144.3	154.3	163.6	172.0	180.2	186.8	192.2	202.6	216.3	228.5	241.3	255.3	267.3	
237	125.0	133.3	145.5	159.5	173.1	188.7	205.3	222.7	240.9	260.0	280.1	301.5	325.3	348.0	
238	126.9	134.1	146.3	160.8	174.9	191.8	209.4	228.9	248.6	271.2	294.6	319.1	345.5	371.2	
239	123.5	133.2	145.8	160.8	175.3	193.0	211.9	232.1	254.0	277.6	302.9	330.3	358.8	385.2	
240	95.6	102.0	110.3	120.6	131.1	143.6	158.2	176.1	193.4	211.1	230.0	253.2	277.2	300.0	
241	104.5	111.7	119.7	125.8	130.9	137.8	142.7	148.4	155.4	161.9	169.9	179.0	190.1	201.3	
242	73.3	67.3	61.8	56.0	51.2	47.1	42.6	39.3	36.1	33.6	31.9	29.9	29.6	30.2	
243	184.6	175.0	161.6	149.3	136.7	125.8	114.2	104.5	94.9	87.1	81.3	73.7	69.3	62.6	
244	289.0	268.7	248.4	227.5	208.5	192.3	176.3	162.3	147.8	135.9	125.5	116.2	108.0	101.0	
245	295.3	274.9	252.0	230.5	209.6	193.0	176.6	162.3	149.0	136.8	126.3	116.4	108.6	101.8	
246	186.7	182.5	180.2	175.4	168.7	161.8	158.1	159.1	161.3	162.9	165.9	163.8	163.5	162.5	
247	146.3	147.6	150.7	153.5	153.5	153.7	152.2	151.4	147.9	142.6	137.0	127.0	116.4	100.1	
248	131.7	130.1	130.9	132.8	133.0	132.6	131.3	129.4	126.7	123.1	121.4	118.2	115.8	113.1	
249	234.5	232.3	229.8	228.5	225.4	224.0	220.9	217.1	212.9	209.9	210.2	213.4	209.3	206.3	
250	74.1	80.5	99.3	118.3	129.2	133.6	135.1	133.0	125.2	115.5	105.9	97.9	90.3	82.0	
251	86.8	87.4	87.7	87.5	84.0	82.0	81.2	80.4	79.3	77.6	77.3	76.1	77.5	79.6	
252	368.5	391.0	418.7	450.3	479.1	509.9	543.1	577.0	610.1	641.6	672.9	704.9	735.0	762.3	

Table LXXXIX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 659	R 660	R 661	R 662	R 663	R 664	R 665	R 666	R 667	R 668	R 669	R 670	R 671
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	373.8	373.2	372.8	373.3	372.2	371.7	371.9	371.7	369.0	370.0	371.4	370.1	369.3
3	427.3	397.1	384.1	365.5	351.2	342.9	338.2	332.4	322.1	308.8	296.5	284.2	262.5
4	268.5	290.3	305.1	317.0	333.9	342.2	348.3	354.1	360.3	372.8	390.8	407.4	436.2
5	414.5	381.7	369.7	351.1	336.2	328.8	323.4	317.9	307.9	294.5	282.6	270.9	251.1
6	253.0	273.4	287.4	298.7	314.5	322.8	328.8	334.4	340.1	352.8	370.5	385.8	415.7
7	399.6	368.3	355.3	338.4	324.1	315.5	311.8	306.2	296.3	284.0	273.2	262.7	243.4
8	248.6	267.2	281.3	293.3	307.6	315.5	321.1	326.3	332.5	345.1	363.1	378.3	407.2
9	234.7	235.7	235.2	236.8	236.4	235.7	235.5	235.3	234.9	234.6	235.5	234.1	234.2
10	302.7	301.5	300.6	301.5	301.0	300.0	300.2	300.4	299.3	297.8	298.8	299.3	298.8
11	373.2	339.4	322.6	308.7	293.8	288.6	282.7	273.6	267.0	254.9	244.1	232.3	214.5
12	219.0	236.8	248.0	260.4	274.1	281.8	289.7	296.0	301.0	315.6	327.8	343.0	375.6
13	354.6	323.2	307.0	293.5	280.4	276.0	269.2	261.0	255.0	243.6	233.5	223.0	206.3
14	208.5	225.2	235.2	247.2	260.3	267.1	274.9	280.6	285.4	298.8	311.8	326.4	357.3
15	338.6	308.8	294.9	282.4	270.0	265.3	258.8	252.0	246.2	235.5	226.0	216.1	200.4
16	198.4	213.5	221.9	233.2	245.3	251.5	259.1	264.2	268.8	279.7	291.8	305.1	333.2
17	230.8	230.2	228.9	230.5	229.5	229.5	228.5	228.9	227.9	227.5	227.6	228.1	228.1
19	283.7	259.4	246.6	236.9	225.9	220.5	214.8	209.6	205.1	196.3	188.4	180.2	164.7
20	166.6	180.2	187.9	196.3	206.9	210.6	215.9	223.0	228.4	238.0	248.0	258.4	282.5
21	263.4	239.1	230.9	218.9	209.0	205.1	199.9	196.4	190.2	181.9	176.1	168.7	152.9
22	154.8	168.6	174.5	181.5	190.3	195.0	200.9	205.4	209.4	221.8	232.6	240.8	263.5
23	218.2	201.1	191.4	181.6	173.3	169.4	164.8	161.7	157.7	152.0	145.4	137.8	129.9
24	126.3	133.7	140.2	145.1	151.7	154.6	157.8	162.0	165.6	173.0	183.7	193.8	209.4
25	205.5	187.0	177.8	170.4	162.3	159.3	156.4	153.5	150.0	143.7	136.3	130.1	121.2
26	121.5	130.2	136.0	142.0	148.4	151.0	154.4	158.0	160.7	168.4	177.0	185.6	205.6
43	385.4	353.0	340.1	324.5	309.6	304.7	299.6	291.9	283.8	271.5	261.2	249.8	230.6
44	224.3	243.4	256.9	268.0	283.2	290.3	300.0	306.5	310.3	329.2	342.8	358.4	394.8
67	204.8	186.6	178.3	170.4	162.9	158.4	156.2	153.0	149.1	143.2	136.4	130.1	119.5
68	122.7	132.5	138.9	144.6	151.3	154.6	157.9	161.4	164.1	172.9	181.6	189.9	209.5
85	457.5	425.3	405.4	390.6	376.2	367.8	359.1	352.9	346.5	331.6	318.3	305.3	282.9
86	291.7	314.0	327.1	343.0	360.3	366.5	371.5	379.7	388.4	403.1	420.4	436.9	469.0
87	444.9	425.2	412.4	403.3	393.6	388.0	382.1	377.4	373.5	364.1	353.6	343.9	327.8
88	335.2	351.3	360.2	371.1	382.9	386.3	388.9	395.0	400.9	407.1	419.1	429.9	446.6
89	214.4	209.6	206.6	204.3	202.8	201.7	200.5	198.9	198.3	198.2	197.6	196.0	192.0
90	194.6	196.2	197.4	198.6	200.3	200.6	201.6	203.2	203.7	205.7	207.0	209.1	216.1
91	201.8	200.2	200.3	199.5	199.6	199.8	200.2	200.1	199.1	198.9	200.0	199.7	199.8
921	259.2	259.8	260.6	262.0	260.7	261.2	260.2	259.5	258.6	258.8	260.4	260.0	260.4

Table LXXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 659 Pi	R: 660 Pi	R: 661 Pi	R: 662 Pi	R: 663 Pi	R: 664 Pi	R: 665 Pi	R: 666 Pi	R: 667 Pi	R: 668 Pi	R: 669 Pi	R: 670 Pi	R: 671 Pi
922	414.9	411.0	413.4	412.9	412.7	412.1	411.1	410.7	409.7	412.2	412.7	410.1	409.9
93	294.6	294.0	294.2	295.2	294.6	293.5	293.4	294.1	293.1	291.9	292.1	293.0	292.3
94	397.4	397.8	400.3	401.6	403.1	403.5	404.1	404.0	402.8	405.8	409.2	408.0	410.2
95	214.0	212.0	212.4	211.1	212.5	213.2	213.3	214.1	213.4	215.2	216.1	216.2	215.7
125	232.7	213.6	203.9	194.2	185.9	181.4	177.3	173.2	169.0	162.2	157.1	149.3	136.9
126	143.2	154.7	162.9	168.1	176.7	179.7	184.3	188.9	192.8	202.8	213.9	223.0	243.5
128	176.7	176.9	177.1	177.1	178.5	178.1	177.7	177.7	177.8	176.6	175.2	175.3	177.1
132	160.2	158.7	159.7	159.5	159.9	159.9	160.0	162.0	161.0	161.0	160.7	159.9	160.3
201	673.1	675.2	675.5	676.3	676.3	674.9	675.1	672.1	672.8	670.1	671.9	668.2	662.0
202	825.2	828.6	829.8	830.4	830.8	828.9	830.2	827.4	827.5	824.8	827.0	821.6	813.1
203	920.7	924.1	927.4	926.9	929.2	927.2	930.1	925.1	926.1	922.3	925.5	919.6	911.2
204	963.8	966.9	970.0	968.4	971.1	968.7	971.1	966.4	967.8	963.1	965.9	961.3	953.5
205	932.0	935.9	939.3	935.8	939.5	935.7	939.2	935.2	935.5	932.5	933.8	929.8	922.9
206	847.0	850.5	853.1	849.9	852.2	849.4	852.9	848.8	849.3	847.4	847.3	843.6	838.0
207	751.9	752.5	754.5	751.9	753.5	752.2	754.5	752.8	753.2	752.6	752.3	748.5	745.3
208	677.6	678.4	679.9	677.6	678.9	677.4	678.6	677.4	678.8	677.6	677.8	674.3	671.5
209	825.4	794.4	776.8	763.8	745.4	738.3	726.7	718.2	708.7	693.4	675.7	657.8	624.8
210	912.9	889.5	875.6	866.4	850.3	847.5	835.3	830.8	821.5	807.2	793.9	777.8	748.7
211	968.6	958.3	952.0	945.4	937.9	936.9	931.8	926.3	921.6	910.5	905.4	894.1	873.8
212	894.4	909.0	921.8	925.1	936.6	936.6	943.0	943.6	947.7	952.3	958.5	960.9	968.4
213	777.8	802.8	820.9	831.9	846.7	851.9	858.6	866.0	869.0	882.8	892.7	901.9	922.9
214	639.4	670.5	691.7	708.1	724.3	732.7	739.6	751.2	756.4	774.3	789.4	803.8	834.0
215	256.1	255.0	255.5	255.8	253.2	253.4	252.4	251.5	250.6	250.7	251.0	250.4	248.8
216	464.6	434.1	413.9	400.2	384.5	375.8	368.5	362.3	355.0	340.5	327.2	314.2	291.1
217	297.5	319.1	333.7	348.9	365.2	371.3	378.2	384.9	394.6	408.6	425.8	443.8	475.7
218	421.9	415.0	414.4	414.7	411.7	410.3	408.5	407.0	406.5	407.2	405.2	401.7	398.5
219	259.3	235.1	226.3	215.8	205.0	200.9	196.0	192.1	186.8	178.7	172.6	165.3	148.9
220	152.9	166.9	173.4	180.5	189.0	194.0	199.1	204.4	208.9	221.2	232.2	240.0	263.3
221	204.1	185.2	177.1	169.4	162.9	159.4	155.9	153.1	149.7	141.9	136.3	132.2	121.3
222	119.9	131.5	134.5	141.9	148.0	151.5	153.9	157.5	160.4	167.1	176.3	183.8	204.0
223	200.3	182.5	173.8	166.5	159.6	155.9	153.2	149.9	146.3	138.0	132.5	129.9	117.4
224	117.0	129.3	131.8	138.4	144.1	148.2	152.1	155.0	158.4	164.0	172.8	181.0	199.8
225	182.8	183.3	184.6	185.8	186.2	187.1	187.2	186.5	185.9	184.8	185.2	183.5	182.2
226	379.9	381.7	385.1	385.6	385.2	385.2	385.1	384.8	384.2	384.1	384.9	382.5	381.9
227	433.3	434.5	436.6	436.9	436.2	436.3	435.0	434.8	434.3	434.1	435.5	435.2	435.0
228	504.8	506.8	508.8	510.1	508.6	509.2	507.4	507.3	506.5	506.6	507.3	505.0	504.8

Table LXXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 659 P1	R: 660 P1	R: 661 P1	R: 662 P1	R: 663 P1	R: 664 P1	R: 665 P1	R: 666 P1	R: 667 P1	R: 668 P1	R: 669 P1	R: 670 P1	R: 671 P1
229	526.1	524.7	526.9	524.6	524.8	523.8	522.6	522.5	523.7	523.3	524.3	521.3	519.8
230	233.0	230.7	230.7	230.2	230.4	231.2	230.9	230.6	230.6	231.0	230.6	228.5	232.2
231	587.8	551.9	533.0	515.8	497.1	488.5	478.4	469.2	461.9	446.4	429.7	414.2	389.4
232	738.5	707.1	691.1	673.5	656.4	647.9	636.9	628.9	618.8	603.3	586.0	568.4	536.7
233	528.9	562.8	583.1	601.5	616.6	625.7	634.2	645.0	651.9	668.3	685.5	700.8	733.9
234	387.3	414.6	430.9	448.8	464.1	471.6	479.6	490.6	496.4	514.9	535.1	551.1	584.8
235	290.2	262.7	252.4	242.8	231.2	224.5	219.3	214.6	209.0	199.4	192.1	183.5	166.3
236	283.2	265.2	256.8	251.1	242.0	237.3	232.6	229.0	224.8	216.8	211.2	203.2	187.3
237	241.3	232.0	228.8	225.7	223.3	221.8	221.3	220.5	219.0	216.4	213.7	210.0	205.2
238	230.6	225.1	223.9	221.2	220.9	220.2	218.5	218.2	217.1	215.7	213.6	211.0	208.9
239	217.5	214.2	214.1	212.6	212.6	213.0	213.4	212.7	212.1	213.2	213.0	211.6	211.6
240	162.8	159.8	159.7	164.0	165.3	165.1	165.6	165.7	165.5	166.1	166.8	163.6	158.1
241	209.0	195.8	192.8	187.7	183.5	179.9	178.0	176.0	172.2	165.3	160.4	155.1	142.9
242	43.7	43.1	42.4	41.3	41.1	41.6	42.0	42.1	41.0	40.4	41.4	41.9	42.6
243	112.6	113.2	114.0	114.4	113.8	113.6	113.9	114.0	114.0	114.4	114.3	114.4	113.7
244	176.9	177.4	177.9	178.7	179.5	179.3	180.8	180.7	179.6	178.4	178.1	177.1	176.3
245	176.2	178.4	179.1	179.3	180.3	181.3	181.6	181.3	179.6	178.7	178.4	177.6	176.4
246	288.6	260.2	247.0	230.5	220.2	212.0	205.6	198.9	193.6	185.8	177.7	171.7	157.9
247	271.7	246.0	235.0	225.2	214.0	208.4	203.9	198.7	193.3	183.8	177.7	169.5	152.6
248	215.7	198.0	188.8	181.3	173.1	168.6	165.1	161.6	157.9	153.1	145.5	139.7	131.4
249	131.0	139.7	146.1	153.5	159.6	162.4	166.9	170.8	174.3	183.3	192.5	202.4	220.4
250	190.4	175.0	167.2	162.1	156.8	154.5	152.6	150.3	147.4	145.0	142.7	144.0	134.9
251	134.6	122.4	117.8	112.8	108.4	105.4	102.0	100.0	97.9	93.4	91.0	87.0	80.9
252	545.9	544.5	548.1	545.5	546.1	544.7	544.4	546.0	544.6	546.5	547.3	544.2	542.9

Table XC: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 673 Pi	R: 674 Pi	R: 675 Pi	R: 676 Pi
2	432.1	430.3	429.3	428.4
3	367.4	338.2	309.9	262.4
4	317.7	347.2	375.5	439.8
5	346.5	319.0	292.0	248.4
6	293.9	322.2	348.1	410.5
7	329.5	303.3	277.5	237.1
8	284.4	311.7	337.2	396.3
9	197.3	196.3	196.2	195.5
10	354.3	351.9	352.4	351.7
11	304.1	279.4	253.9	213.0
12	256.3	284.1	308.1	368.7
13	292.1	268.4	244.6	206.0
14	246.0	272.4	296.0	355.3
15	274.0	252.0	230.8	195.4
16	229.7	253.3	273.7	329.1
17	188.7	186.6	186.9	187.5
19	237.1	215.0	197.2	164.7
20	197.2	216.0	238.5	282.8
21	220.8	200.2	183.5	151.9
22	183.0	201.0	222.0	266.4
23	181.0	165.5	152.7	129.4
24	146.1	157.7	172.8	208.4
25	168.7	154.9	142.4	119.0
26	141.2	153.3	167.0	205.5
43	331.1	306.9	278.7	235.5
44	272.5	304.6	333.3	406.3
67	172.1	157.9	145.4	119.3
68	145.6	158.9	173.9	213.6
85	383.7	355.4	327.0	277.9
86	337.6	367.8	394.9	462.9
87	443.7	423.7	403.3	362.8
88	411.3	431.4	450.5	494.1
89	244.5	240.3	236.8	230.0
90	238.3	242.1	246.0	256.7
91	239.5	240.8	238.7	243.0
921	219.7	218.5	218.6	218.2

Table XC: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orientation ID	Nominal β			
	-2.0°	$.0^\circ$	2.0°	6.0°
	R: 673 P1	R: 674 P1	R: 675 P1	R: 676 P1
922	471.5	469.9	470.7	470.4
93	346.6	344.1	345.2	345.9
94	462.6	463.8	467.0	473.2
95	255.0	255.8	257.4	260.8
125	185.3	170.1	156.3	132.8
126	162.4	176.0	193.2	234.3
128	150.1	150.4	150.3	152.2
132	190.4	192.3	193.6	192.5
201	609.6	607.4	605.1	596.8
202	776.3	776.6	772.0	764.4
203	889.5	892.2	886.8	878.7
204	958.7	960.9	956.1	946.3
205	957.0	959.1	953.7	946.0
206	894.2	896.3	892.1	884.3
207	808.0	809.7	807.1	802.4
208	737.0	737.4	736.5	731.8
209	746.3	713.6	683.3	612.7
210	851.6	825.3	799.2	739.2
211	936.6	922.0	905.3	866.3
212	916.2	932.8	942.9	960.0
213	821.9	846.8	872.3	911.3
214	696.4	726.0	759.9	819.1
215	214.5	211.9	211.1	208.0
216	399.4	371.6	342.0	292.4
217	349.8	380.3	406.1	476.2
218	472.5	467.5	464.7	457.6
219	216.4	196.5	179.7	149.2
220	181.1	199.2	219.3	265.2
221	169.8	156.5	142.1	120.0
222	141.3	154.3	166.9	206.2
223	168.9	154.8	138.4	115.2
224	138.5	153.5	165.9	203.7
225	155.1	157.2	155.1	151.6
226	329.3	328.2	328.8	326.9
227	376.2	376.4	376.9	377.8
228	437.0	435.0	433.9	432.6

Table XC: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 673 Pi	R: 674 Pi	R: 675 Pi	R: 676 Pi
229	589.5	586.0	586.8	584.4
230	274.8	275.4	275.7	277.9
231	502.0	467.3	437.1	377.6
232	655.3	620.8	590.7	523.1
233	586.9	616.5	650.3	717.5
234	435.9	465.8	501.5	570.5
235	251.2	225.5	206.4	168.1
236	278.6	257.4	240.4	203.2
237	269.2	263.3	256.5	241.6
238	265.1	260.3	257.6	249.7
239	255.7	255.1	254.7	255.2
240	201.7	200.2	201.5	194.3
241	211.5	198.7	184.8	156.0
242	37.5	38.2	36.4	36.4
243	95.3	95.7	94.2	95.2
244	150.1	149.5	148.1	148.5
245	149.6	151.4	149.5	148.0
246	237.5	214.9	195.4	161.1
247	225.3	204.5	183.8	147.7
248	174.9	160.4	149.2	126.8
249	148.5	160.7	176.3	213.2
250	149.5	140.8	130.6	125.5
251	113.7	102.3	94.3	79.5
252	612.9	610.4	613.5	610.9

Table XCI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 592	R: 577	R: 579	R: 581	R: 583	R: 584	R: 585	R: 586	R: 587	R: 589	R: 591	R: 593	R: 594	
P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	
2	245.2	245.7	245.5	245.7	245.4	244.9	245.0	244.9	244.6	244.7	245.4	245.5	245.4	
3	366.5	371.3	358.2	344.5	328.9	323.8	317.7	311.3	304.2	290.8	279.8	270.6	251.7	
4	281.8	276.2	289.0	299.8	315.0	322.0	326.8	333.2	338.7	353.1	367.6	382.3	410.7	
5	371.9	378.5	364.2	349.8	333.5	327.9	322.2	314.2	307.6	293.6	283.1	272.1	253.3	
6	281.6	275.3	289.4	300.0	315.5	323.0	327.7	335.0	340.4	356.0	371.6	386.2	416.9	
7	378.1	384.9	370.2	355.9	339.5	333.7	329.2	320.7	312.7	298.7	287.6	276.5	257.3	
8	289.0	283.8	296.5	308.2	323.3	331.6	336.9	342.4	349.9	366.1	380.5	395.2	425.9	
9	355.0	354.3	354.7	355.3	355.4	354.3	353.8	353.0	354.3	354.7	353.3	352.7	351.8	
10	192.5	193.6	192.6	193.4	193.2	192.6	192.5	192.5	193.1	190.9	191.2	192.5	192.2	
11	336.3	344.9	329.6	314.4	301.8	296.4	288.5	281.1	274.3	262.8	251.9	241.1	222.5	
12	249.2	244.5	254.2	266.5	279.3	286.4	293.9	300.7	307.0	316.9	329.7	346.4	376.1	
13	324.1	333.2	317.5	301.9	290.0	283.3	275.0	268.7	261.9	250.9	239.7	229.9	211.2	
14	240.1	234.7	244.7	257.5	269.6	276.4	283.5	291.0	296.8	307.2	321.4	337.4	366.0	
15	313.9	322.8	308.5	294.2	283.1	276.7	269.1	263.8	257.2	246.6	236.0	226.6	209.3	
16	228.0	223.8	232.8	245.4	255.9	262.4	268.9	275.3	280.8	290.9	302.7	320.1	346.6	
17	358.6	356.9	359.0	361.3	361.5	361.1	360.7	363.0	363.0	361.1	357.4	354.2	349.0	
19	252.7	259.0	245.8	237.3	225.0	219.4	212.6	208.5	203.3	193.7	185.8	177.9	160.4	
20	181.8	178.4	185.5	193.4	202.6	206.8	211.0	217.6	224.1	234.4	244.4	256.2	278.3	
21	231.0	235.4	225.5	215.1	204.9	199.8	195.2	190.5	187.0	178.8	172.5	165.3	150.3	
22	168.2	165.4	171.8	178.4	187.0	190.5	195.1	201.5	204.5	215.6	227.7	237.5	255.4	
23	193.9	198.3	188.5	180.7	172.6	168.7	164.7	161.1	157.5	152.3	145.5	139.1	130.1	
24	141.9	138.5	144.8	151.2	156.9	160.0	164.0	167.2	171.5	179.5	189.0	198.6	216.8	
25	184.6	188.3	180.8	172.3	165.6	161.3	157.8	155.6	152.3	144.4	138.5	132.3	122.5	
26	135.8	133.7	138.6	145.1	151.9	154.7	157.6	161.8	165.3	172.8	182.7	190.2	211.5	
43	312.5	321.3	305.6	290.8	279.6	274.8	268.0	262.1	256.3	245.9	236.2	227.2	210.6	
44	231.1	226.7	236.5	248.0	260.3	267.2	274.1	282.9	288.5	299.7	311.6	328.9	359.4	
67	173.3	177.1	169.6	161.8	155.0	151.6	149.0	146.4	144.1	136.1	131.0	126.0	116.7	
68	131.0	128.2	132.8	138.5	145.0	147.3	150.0	153.2	157.2	162.6	172.7	179.9	200.2	
85	410.1	419.0	405.6	387.7	372.1	363.3	359.6	353.4	343.9	330.1	317.6	305.4	284.8	
86	323.1	315.2	330.5	343.1	360.0	366.7	372.9	378.0	385.5	398.4	417.5	434.6	465.2	
87	309.6	314.5	307.5	298.2	291.0	286.5	284.2	281.8	276.9	269.7	263.1	256.8	245.1	
88	263.8	260.0	266.4	272.9	281.1	284.6	287.8	290.0	293.9	298.1	307.8	315.9	329.2	
89	129.0	129.5	128.8	129.4	128.1	127.3	125.8	125.4	126.0	125.4	125.9	125.1	123.2	
90	125.2	125.4	125.1	125.3	125.9	126.2	126.8	128.7	129.9	130.2	130.4	131.9	133.6	
91	124.2	124.7	124.4	124.7	125.2	125.6	125.3	125.4	125.8	124.7	125.9	126.0	125.8	
921	387.1	385.8	387.6	388.1	388.5	386.8	386.3	386.2	386.9	385.7	386.0	385.0	384.8	

Table XGL: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 592 Pi	R: 577 Pi	R: 579 Pi	R: 581 Pi	R: 583 Pi	R: 584 Pi	R: 585 Pi	R: 586 Pi	R: 587 Pi	R: 589 Pi	R: 591 Pi	R: 593 Pi	R: 594 Pi
922	280.2	279.8	280.3	280.4	279.9	279.2	279.1	279.3	277.8	278.9	279.5	278.9	279.4
93	187.7	187.9	188.0	188.0	188.4	188.1	187.2	188.0	188.7	186.5	186.4	187.9	187.9
94	268.1	267.1	268.1	269.8	270.6	270.6	270.5	271.3	271.4	272.2	274.9	275.5	277.6
95	132.3	132.9	132.2	132.3	132.8	133.6	134.0	134.7	134.7	133.5	134.5	134.9	134.5
125	216.5	223.1	210.1	199.0	190.2	184.7	179.2	175.6	171.3	162.8	156.2	146.7	131.7
126	160.4	156.8	164.6	172.7	181.1	186.0	189.7	194.8	201.5	209.9	223.0	233.6	256.6
128	276.1	275.9	277.0	277.3	276.3	274.8	274.1	274.8	275.5	274.7	274.5	273.2	270.6
132	108.5	108.7	109.4	110.2	110.4	110.7	110.6	110.6	110.1	108.7	108.8	109.2	107.4
201	826.6	825.0	827.9	825.8	826.4	825.9	824.3	823.8	823.7	820.8	820.8	818.9	812.9
202	926.7	925.8	928.4	926.5	927.4	927.2	926.0	925.9	925.5	922.4	923.4	919.2	911.7
203	968.4	966.7	970.4	966.9	967.6	968.6	967.6	967.7	965.6	964.3	965.2	960.3	952.8
204	939.0	937.0	940.7	939.4	939.2	938.6	938.5	938.6	935.7	933.6	934.2	930.5	924.6
205	835.1	834.0	837.2	835.7	836.6	836.2	836.1	836.6	835.1	833.8	834.0	831.1	827.1
206	702.4	701.5	704.5	703.0	701.6	701.8	702.0	702.6	701.8	701.6	701.0	698.5	694.1
207	592.1	591.2	593.0	592.3	591.6	591.4	592.1	593.8	592.5	592.9	592.7	591.4	589.6
208	529.2	527.6	530.3	529.7	529.6	528.9	528.4	529.6	529.0	528.9	528.5	527.7	525.1
209	784.9	791.1	775.3	757.6	742.4	734.0	726.2	715.4	707.9	693.0	673.7	656.4	623.8
210	870.8	874.4	861.9	847.8	837.4	829.0	822.9	814.1	807.9	794.9	778.4	763.8	735.1
211	931.3	931.5	928.2	918.5	913.9	909.2	904.3	899.6	895.1	888.0	877.8	867.3	849.3
212	887.1	883.2	894.1	899.9	905.8	911.5	912.7	916.7	919.2	925.2	931.2	934.0	942.8
213	796.6	788.5	805.4	818.8	827.2	835.2	841.6	848.0	854.0	864.5	875.5	885.4	905.7
214	677.2	667.1	687.4	706.5	719.0	727.6	738.1	745.6	755.9	770.6	786.8	800.5	830.3
215	376.5	376.8	376.7	376.2	376.2	373.9	373.3	373.4	374.0	372.7	371.5	369.7	369.0
216	397.8	406.5	392.2	377.5	361.3	353.1	349.4	345.2	334.5	322.1	310.5	298.3	279.1
217	312.4	305.4	319.7	332.5	347.7	355.7	360.6	365.5	373.5	386.2	404.2	420.7	450.2
218	280.9	281.6	280.6	280.2	278.8	278.1	277.4	276.1	275.7	275.3	274.5	273.2	270.9
219	221.2	226.0	215.7	206.6	196.9	193.1	189.1	184.2	180.3	173.0	167.9	160.3	146.6
220	165.8	162.2	168.3	175.2	182.8	186.5	191.7	197.0	200.3	210.6	222.7	231.5	249.8
221	175.8	180.2	171.6	164.8	158.0	155.6	152.6	149.6	145.4	138.5	132.8	131.7	119.1
222	129.4	131.5	133.2	138.4	145.0	148.4	150.8	154.2	157.0	163.8	171.1	180.5	199.2
223	167.6	171.4	163.6	157.7	152.6	149.9	146.2	143.4	139.5	133.6	128.2	125.3	116.4
224	128.7	123.8	127.3	133.0	138.5	142.0	145.4	147.9	150.4	155.5	163.1	171.0	188.6
225	284.9	284.0	284.2	284.7	286.7	286.7	286.6	286.2	285.8	284.8	284.6	283.5	283.2
226	527.9	528.4	529.6	529.5	528.1	527.1	526.8	526.6	527.1	526.8	526.1	525.7	525.2
227	603.3	600.1	604.3	603.7	603.1	602.5	601.6	602.3	601.5	602.2	601.7	600.1	597.3
228	696.7	694.6	697.0	696.6	695.6	695.3	694.5	694.7	693.8	692.9	693.3	691.8	687.0

Table XCI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Office ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	$.0^\circ$	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 592	R: 577	R: 579	R: 581	R: 583	R: 584	R: 585	R: 586	R: 587	R: 589	R: 591	R: 593	R: 594
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	369.9	369.0	370.7	371.6	370.5	370.3	368.4	368.5	369.2	369.6	369.7	368.6	369.5
230	144.0	144.4	143.9	144.1	144.5	145.0	145.0	144.9	144.8	144.6	144.9	143.6	145.8
231	556.4	566.7	545.4	528.2	510.0	499.9	489.6	483.2	476.7	459.7	442.9	431.0	405.0
232	708.6	715.9	697.7	680.7	663.6	656.2	645.9	636.7	629.2	613.5	593.9	578.4	546.7
233	582.8	573.9	593.2	613.0	628.3	633.8	643.4	654.2	661.7	678.8	696.1	711.8	742.7
234	442.0	434.3	448.6	466.6	482.0	488.6	495.0	505.7	515.7	531.7	548.8	567.6	601.0
235	217.2	221.1	212.3	203.4	195.7	191.2	188.2	184.5	180.2	172.8	168.7	163.0	150.1
236	182.6	185.0	181.1	177.1	172.9	169.3	167.3	165.2	163.5	158.0	156.8	154.1	145.2
237	146.9	148.3	146.3	144.5	143.5	141.9	140.4	140.6	140.2	138.7	137.5	137.2	133.9
238	138.4	139.8	137.1	136.8	138.1	137.8	136.7	136.4	136.3	136.0	135.7	135.1	134.3
239	132.2	133.2	132.3	132.4	133.4	133.9	133.8	133.7	133.7	133.0	133.8	133.4	133.1
240	101.8	102.5	102.0	102.3	102.6	103.1	105.1	107.9	108.9	108.8	105.5	103.7	102.0
241	121.7	121.5	120.7	118.4	117.2	116.3	115.9	116.2	115.8	114.3	114.9	115.6	111.8
242	67.7	68.8	67.1	65.7	65.0	64.3	64.5	65.0	64.8	64.5	65.8	67.3	67.6
243	171.0	171.7	171.4	171.2	171.2	171.5	171.3	171.5	171.4	171.9	172.1	172.7	175.1
244	273.5	273.4	274.5	273.7	274.1	273.7	273.0	274.0	274.0	272.0	270.8	270.6	269.4
245	281.7	282.2	283.4	282.5	283.5	283.3	283.6	284.0	283.6	280.6	279.5	278.2	275.6
246	271.4	276.6	285.4	257.6	247.0	242.7	236.8	232.2	228.1	218.1	209.7	201.7	183.4
247	220.9	223.8	218.0	207.3	197.8	194.4	189.8	186.1	181.4	173.8	168.7	162.0	148.2
248	200.8	206.1	194.7	187.3	178.4	174.7	170.8	167.1	164.1	157.4	149.2	142.2	130.9
249	148.4	144.9	152.6	159.8	166.7	170.4	174.5	178.6	182.7	192.4	200.9	213.1	232.3
250	193.1	197.8	189.3	179.8	169.6	163.7	159.0	152.4	145.2	131.6	118.0	106.2	82.2
251	119.5	122.7	118.3	114.8	110.3	108.1	106.2	104.1	102.6	100.2	96.0	92.8	87.5
252	394.1	393.0	394.8	395.5	393.5	393.0	391.5	391.8	391.8	392.4	391.8	390.7	391.4

Table XCII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 86	R 82	R 80	R 78	R 76	R 75	R 74	R 73	R 72	R 70	R 68	R 67	R 87	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	245.9	244.9	245.5	245.2	244.6	244.9	245.2	244.8	245.0	246.9	246.4	246.3	246.1	
3	285.5	373.4	359.3	344.2	331.1	323.8	319.7	314.5	306.8	292.1	280.4	268.9	250.3	
4	357.4	275.0	285.5	296.8	310.5	318.6	323.8	328.9	335.7	350.7	365.8	378.7	411.0	
5	288.0	379.3	364.3	349.6	334.7	327.4	323.5	318.2	309.8	294.8	282.9	270.6	251.4	
6	359.8	275.0	285.2	296.8	310.5	318.6	325.2	330.5	338.3	353.1	369.2	382.3	416.3	
7	291.7	384.8	371.0	354.4	339.3	332.0	328.6	321.6	313.8	299.7	286.8	273.4	253.2	
8	368.0	282.2	292.1	304.0	318.4	326.7	331.5	338.3	344.5	361.2	377.3	390.9	424.2	
9	349.6	348.9	349.9	350.8	350.5	349.2	349.1	349.6	349.6	351.0	350.4	348.8	350.3	
10	191.4	192.0	191.7	191.3	191.7	191.1	190.3	191.0	191.1	192.2	191.4	192.2	191.8	
11	256.4	343.8	329.8	315.3	301.8	297.1	290.3	282.9	274.5	262.8	249.7	238.7	220.7	
12	322.0	241.3	252.5	263.9	276.0	281.5	290.1	295.0	301.2	314.4	327.8	344.1	373.9	
13	243.0	331.6	316.5	301.7	289.8	284.4	276.5	270.0	261.3	249.9	237.7	226.6	209.1	
14	311.9	231.3	242.8	254.2	265.3	271.4	279.3	286.5	291.5	304.2	318.0	334.0	363.6	
15	240.0	321.1	308.0	294.9	281.8	278.1	272.0	264.8	257.8	245.4	234.6	223.0	207.9	
16	295.3	218.8	230.3	240.1	251.7	257.8	264.9	269.5	275.7	287.7	300.3	315.3	342.8	
17	356.4	351.6	353.8	355.6	357.6	356.3	356.3	357.0	356.8	357.4	355.9	352.8	347.4	
19	187.4	258.7	244.1	234.7	223.7	217.3	210.3	206.0	201.1	192.0	183.5	177.6	163.4	
20	234.6	176.6	182.9	189.6	198.1	202.4	206.9	213.4	217.9	228.5	238.4	252.0	274.7	
21	173.2	234.7	226.8	214.2	202.6	198.0	193.3	188.7	184.1	176.8	171.0	164.4	150.0	
22	216.3	163.1	169.8	177.3	183.7	187.9	191.6	196.6	200.3	211.1	223.6	231.8	254.2	
23	147.8	198.1	188.2	178.3	170.4	166.2	162.2	158.5	155.9	150.9	143.5	138.4	128.7	
24	179.3	135.5	143.1	149.0	154.8	157.4	160.8	164.2	167.9	175.1	184.3	193.7	211.7	
25	140.0	188.1	178.7	169.9	161.9	158.4	155.4	152.5	150.4	142.7	137.7	131.2	121.0	
26	173.1	128.9	135.1	142.6	149.5	151.9	155.5	159.3	162.0	169.2	177.3	185.5	205.4	
43	240.1	318.2	303.6	292.2	280.0	275.1	270.9	263.9	257.1	245.7	235.1	224.7	209.4	
44	304.8	225.3	235.4	245.1	257.2	263.4	271.3	276.8	283.8	296.0	311.1	327.6	357.3	
67	133.5	176.3	168.2	159.8	152.6	150.0	147.2	144.1	141.7	135.2	129.6	125.0	116.4	
68	164.8	124.9	130.2	136.5	143.0	145.4	148.3	151.6	154.1	161.5	168.9	177.2	195.6	
85	324.2	422.7	402.4	386.9	374.1	366.6	359.4	354.0	347.2	332.5	318.2	304.7	281.5	
86	406.9	314.9	327.2	340.5	356.2	360.8	369.7	374.5	381.7	397.6	413.3	431.2	462.7	
87	266.7	317.1	307.4	299.6	293.0	289.7	286.8	284.1	280.0	271.7	264.9	257.1	245.4	
88	305.5	260.3	266.9	272.9	279.7	283.4	287.6	289.0	293.8	301.3	310.0	317.2	330.5	
89	123.2	128.8	128.1	128.6	127.6	127.5	125.4	123.4	124.0	122.9	123.0	122.8	122.2	
90	129.4	123.7	123.8	124.2	125.4	125.0	126.1	127.5	128.9	130.4	128.6	129.3	130.7	
91	122.8	123.3	123.5	124.1	124.7	125.1	125.0	124.7	124.4	123.5	123.0	123.4	124.5	
921	383.1	381.9	382.0	382.8	382.5	382.3	382.9	382.7	383.9	384.8	383.5	381.6	382.3	

Table XCII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 86	R: 82	R: 80	R: 78	R: 76	R: 75	R: 74	R: 73	R: 72	R: 70	R: 68	R: 67	R: 87	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	282.1	281.8	281.4	281.5	280.6	280.4	281.0	280.9	281.8	282.5	282.3	281.2	281.3	
93	187.8	187.3	186.7	186.8	187.3	186.3	186.4	187.0	187.0	187.7	186.7	188.3	187.9	
94	275.6	267.2	269.0	270.4	270.6	270.7	271.0	272.8	273.6	275.4	276.1	275.9	279.2	
95	132.2	130.8	131.4	132.6	132.5	133.5	134.3	134.4	133.9	132.2	133.1	133.8	133.4	
125	158.2	222.3	211.8	199.1	188.5	184.4	178.4	173.4	168.8	161.7	154.9	146.8	131.9	
126	213.6	154.7	163.9	171.2	179.3	183.0	187.0	192.4	196.3	207.2	218.9	229.3	254.4	
128	272.5	275.2	277.0	276.7	274.2	273.9	273.4	273.2	272.4	273.4	272.5	269.9	270.3	
132	107.0	105.5	106.5	107.1	107.7	107.6	107.5	107.2	107.2	107.3	106.7	106.3	104.7	
201	820.4	821.6	823.0	819.9	818.8	817.7	821.7	821.8	821.5	820.2	820.7	815.2	810.7	
202	922.9	924.1	925.7	922.4	922.9	919.3	924.5	923.5	924.7	922.7	924.8	917.8	912.7	
203	966.7	965.5	966.4	963.7	966.0	963.6	967.0	967.1	966.5	964.3	967.1	962.0	954.4	
204	938.4	936.4	939.5	936.7	938.6	937.2	939.1	937.9	938.7	936.2	938.8	933.6	926.4	
205	837.1	833.3	836.7	836.2	837.0	835.8	837.4	836.8	837.0	836.4	837.5	834.3	827.8	
206	704.8	703.0	705.5	703.0	704.3	703.4	704.7	704.3	703.6	704.3	704.9	700.4	693.7	
207	595.3	591.5	594.2	592.3	593.5	593.4	594.3	594.5	594.6	594.9	596.3	593.2	587.6	
208	581.6	529.1	531.4	529.8	530.9	530.0	530.8	530.8	530.2	531.5	533.1	529.5	525.6	
209	686.2	792.4	777.2	758.4	740.5	733.7	727.1	717.3	709.5	697.0	678.0	657.1	622.1	
210	791.1	873.8	862.5	849.3	834.6	830.3	822.6	815.6	809.6	797.7	784.6	766.6	737.0	
211	887.2	931.6	925.5	917.6	912.4	908.1	905.0	899.3	896.7	889.7	884.9	872.0	850.3	
212	928.9	881.5	890.9	897.2	905.3	907.7	913.7	916.5	918.6	925.5	933.3	937.3	943.5	
213	867.7	785.2	800.9	814.4	826.2	831.6	839.1	846.4	850.1	863.4	876.1	886.5	907.9	
214	774.8	664.0	683.4	701.4	716.3	724.3	733.7	743.3	749.6	767.5	784.3	800.2	830.2	
215	369.0	371.5	371.0	370.7	369.8	370.7	370.2	368.4	369.5	371.1	368.2	366.4	365.3	
216	315.6	410.7	391.8	376.6	363.2	356.2	351.6	344.4	338.4	324.5	310.7	297.5	276.5	
217	394.3	305.9	317.1	329.2	345.3	350.9	357.6	363.0	370.2	385.3	402.4	418.0	450.2	
218	276.8	282.3	282.5	280.6	279.4	279.3	278.8	278.9	278.9	278.4	276.4	274.2	272.3	
219	168.1	224.6	218.3	206.6	195.5	191.5	187.5	182.7	178.7	172.0	165.6	159.8	146.4	
220	212.2	161.8	169.2	174.9	180.8	185.1	189.1	193.4	196.6	207.5	218.4	226.2	247.8	
221	135.2	179.0	170.8	163.1	156.7	152.8	150.7	147.6	143.8	138.6	132.3	131.2	118.0	
222	164.6	127.7	129.3	135.4	142.7	146.6	149.1	152.3	155.3	161.6	169.8	177.5	195.7	
223	129.7	171.6	163.5	156.0	149.6	146.7	145.6	141.4	137.9	132.1	127.3	123.9	114.7	
224	157.8	121.3	124.6	130.1	135.8	140.5	143.5	145.7	149.3	154.4	161.4	168.6	186.5	
225	280.9	281.1	280.1	280.5	281.5	282.5	283.3	282.7	281.4	282.5	282.2	280.5	282.3	
226	525.1	523.6	524.5	522.4	522.6	523.3	525.1	524.7	524.4	525.0	524.8	522.0	521.6	
227	600.2	597.1	598.3	595.6	596.7	596.8	599.1	599.5	598.2	598.2	599.0	595.3	594.8	
228	690.7	689.3	691.4	687.6	688.7	688.5	690.4	691.1	690.6	689.3	691.1	686.5	686.5	

Table XCII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 86	R: 82	R: 80	R: 78	R: 76	R: 75	R: 74	R: 73	R: 72	R: 70	R: 68	R: 67	R: 87	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	373.2	372.0	372.7	372.6	371.4	371.7	371.4	372.5	372.1	372.9	373.0	371.0	369.1	
230	143.1	144.2	143.9	144.3	144.2	144.3	144.6	144.8	144.3	144.3	144.4	144.0	144.4	
231	450.2	562.5	542.2	524.2	505.6	498.4	488.4	480.0	473.3	459.7	442.3	426.8	399.7	
232	606.6	714.9	699.3	679.6	662.2	654.7	646.5	637.4	629.9	616.3	597.1	579.2	544.3	
233	683.4	570.4	587.9	606.8	622.3	629.6	639.0	649.6	657.5	675.0	692.9	709.7	742.0	
234	535.3	431.9	445.4	461.6	477.2	484.2	492.4	501.2	511.3	528.9	544.9	562.5	598.4	
235	168.6	221.4	212.8	204.5	196.0	190.3	187.2	183.5	179.4	172.5	166.6	162.0	150.6	
236	156.7	186.3	182.8	178.0	172.2	168.6	166.3	164.9	162.1	159.0	155.2	152.9	144.0	
237	136.9	149.1	147.7	146.0	143.2	141.7	140.4	139.8	139.9	137.7	136.3	135.5	133.4	
238	134.6	139.0	138.7	138.1	137.7	137.1	136.9	136.0	135.8	135.0	134.8	134.5	133.2	
239	132.0	132.0	133.2	132.6	133.8	134.1	133.6	132.9	132.3	132.0	131.8	132.3	133.0	
240	105.1	102.2	101.9	101.5	101.5	101.8	102.6	105.8	106.6	106.6	103.1	101.1	100.7	
241	112.8	121.8	118.8	117.3	115.8	115.6	115.4	115.0	114.3	113.4	113.3	114.2	110.5	
242	61.9	67.2	66.5	64.0	63.5	62.7	62.7	62.2	61.9	61.6	63.3	64.8	65.7	
243	169.7	171.9	171.5	171.1	170.2	169.5	169.0	167.6	168.7	169.9	170.5	170.0	172.5	
244	270.4	272.1	272.0	271.1	271.5	271.6	271.8	272.3	272.0	270.7	269.3	268.2	270.4	
245	274.0	276.0	275.9	276.3	277.9	279.5	279.1	277.1	276.3	274.9	273.5	271.4	273.4	
246	209.6	273.9	264.8	255.8	246.7	241.3	236.2	230.0	224.2	215.3	205.7	199.2	183.8	
247	169.2	225.1	217.7	207.6	197.1	193.3	188.8	183.8	179.5	173.1	166.2	161.0	148.8	
248	152.3	207.1	196.5	185.8	177.0	172.1	168.4	164.0	161.1	156.7	148.9	142.0	130.7	
249	192.3	143.8	150.3	157.8	164.6	168.1	171.9	175.8	179.4	188.6	197.9	209.1	228.2	
250	126.1	197.5	189.2	179.3	169.3	164.5	159.3	153.4	147.3	132.4	118.6	109.5	80.0	
251	96.6	119.6	116.2	112.7	108.5	106.5	104.5	102.3	100.5	99.1	94.0	91.3	85.5	
252	395.9	395.7	396.5	395.9	395.7	395.3	395.8	395.5	395.4	395.7	396.0	393.8	391.1	

Table XCIII: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 202 Pi	R: 193 Pi	R: 195 Pi	R: 197 Pi	R: 199 Pi	R: 201 Pi	R: 203 Pi	R: 204 Pi	R: 205 Pi
2	244.4	243.3	243.6	243.8	243.8	244.2	242.5	243.3	241.9
3	351.2	344.9	333.0	321.2	309.5	297.9	286.0	275.1	253.6
4	296.7	301.2	313.8	325.7	338.0	352.1	363.5	377.3	404.0
5	357.9	351.8	339.4	326.2	313.9	301.3	289.6	277.6	255.3
6	297.9	302.5	316.0	328.5	341.7	356.1	368.3	383.0	410.0
7	365.1	359.0	345.3	332.3	319.8	306.8	294.3	282.4	259.5
8	306.8	312.6	325.2	337.7	351.3	364.5	378.2	392.1	419.9
9	356.0	358.1	359.6	357.9	358.4	357.2	357.3	356.0	355.2
10	192.0	191.5	191.8	191.5	192.1	191.7	191.1	190.5	190.6
11	324.2	318.3	305.9	292.8	281.9	268.8	257.3	245.9	225.1
12	263.7	269.4	281.4	293.1	305.5	317.7	330.8	343.3	370.6
13	311.3	305.3	293.3	280.5	268.4	256.6	244.9	234.1	213.8
14	254.2	260.0	272.7	283.5	295.9	308.5	321.1	333.9	361.7
15	303.4	297.6	286.3	273.9	262.8	251.5	240.1	229.8	210.6
16	241.3	246.8	257.6	269.3	280.0	291.7	303.6	316.4	342.1
17	364.8	367.7	370.8	367.0	366.6	366.2	364.5	360.3	352.7
19	243.6	238.0	227.4	217.2	207.9	199.0	189.3	181.3	167.0
20	191.5	195.1	203.7	212.2	221.9	232.1	241.9	253.1	275.1
21	220.9	216.5	208.3	199.6	190.6	182.5	174.2	167.0	153.3
22	175.7	179.5	188.1	196.0	204.2	214.1	223.2	233.7	254.5
23	187.8	183.5	176.5	169.0	162.2	155.3	148.1	140.4	128.8
24	148.1	151.4	158.6	165.2	172.6	180.7	187.7	196.7	214.7
25	177.6	174.2	165.5	157.8	150.6	144.4	138.2	132.5	121.9
26	141.2	144.8	152.6	159.8	167.5	174.7	183.0	191.7	209.7
43	300.4	293.8	283.6	271.5	260.8	250.2	239.2	229.7	211.3
44	244.5	250.2	262.2	275.0	288.0	300.6	312.0	325.5	352.1
67	167.6	164.1	156.2	149.2	143.0	137.3	131.1	126.2	117.6
68	138.9	140.1	146.8	152.5	160.1	167.3	174.5	183.0	199.1
85	397.4	391.2	377.2	363.6	351.2	337.3	324.8	312.2	288.9
86	339.9	345.7	359.2	372.8	386.3	400.2	415.1	428.4	458.2
87	301.5	297.7	291.8	284.6	278.0	271.1	264.4	258.1	244.6
88	270.1	272.0	279.2	284.7	292.5	298.6	304.5	311.5	323.8
89	130.3	129.4	129.2	127.2	126.0	125.5	124.9	124.4	122.9
90	126.7	126.1	127.1	129.0	130.6	131.1	131.4	131.8	132.1
91	126.1	125.8	126.4	126.2	126.3	125.7	125.5	125.4	125.5
921	390.5	390.9	392.1	391.9	391.1	391.2	387.9	386.6	387.4

Table XCIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 202 Pi	R: 193 Pi	R: 195 Pi	R: 197 Pi	R: 199 Pi	R: 201 Pi	R: 203 Pi	R: 204 Pi	R: 205 Pi
922	278.8	278.2	279.0	277.8	277.7	277.9	277.5	277.1	276.3
93	187.2	186.4	186.6	186.4	186.6	186.9	186.2	186.0	186.0
94	267.3	265.9	269.1	268.6	269.6	271.5	271.2	271.9	273.5
95	133.3	133.6	134.8	133.8	134.5	134.6	133.8	134.3	133.6
125	206.5	201.5	192.4	183.3	174.5	165.9	157.5	149.6	135.0
126	168.5	172.5	181.7	190.6	200.3	211.4	221.0	232.5	253.3
128	273.9	274.2	275.4	274.3	274.8	274.6	274.5	271.9	267.8
132	111.3	111.2	111.8	112.1	112.5	112.0	111.5	110.9	109.1
201	828.8	829.0	830.4	829.7	829.1	827.9	825.1	820.9	814.8
202	931.2	932.7	934.7	933.1	933.1	932.0	928.3	923.9	915.9
203	973.1	973.1	974.5	974.5	975.0	974.6	971.3	967.2	960.5
204	942.2	940.3	941.0	939.0	940.5	939.8	936.4	932.6	925.7
205	835.4	833.5	834.3	833.7	835.6	835.6	832.9	829.6	824.2
206	700.0	699.2	702.0	699.7	701.6	699.9	697.8	695.2	690.6
207	591.6	590.3	591.5	591.1	591.6	591.0	590.4	587.5	584.4
208	528.1	526.0	527.6	526.7	528.8	528.1	526.8	525.9	523.0
209	767.7	759.9	746.3	729.5	716.2	700.6	682.5	666.8	633.8
210	856.4	848.1	839.1	822.6	813.3	799.7	784.6	771.0	743.7
211	922.3	919.2	914.4	904.0	900.1	893.1	882.4	872.6	853.6
212	899.6	899.8	907.8	913.6	921.2	928.9	930.5	934.2	941.5
213	814.3	817.2	831.4	841.4	854.0	866.1	874.0	884.4	903.2
214	700.2	706.7	723.5	738.5	754.2	769.1	783.2	796.6	824.8
215	378.9	378.9	379.2	378.5	376.3	376.1	374.9	372.7	370.9
216	384.6	378.5	365.5	353.0	340.9	328.4	316.0	303.9	281.3
217	328.2	333.4	346.8	359.6	373.0	386.7	400.7	414.9	442.5
218	278.3	276.9	276.9	274.9	275.2	273.7	272.4	270.4	268.6
219	210.6	207.0	199.5	191.0	183.5	175.5	167.8	160.5	148.2
220	172.4	176.1	183.9	191.5	200.3	208.7	217.5	226.6	246.6
221	169.0	165.9	158.8	151.8	144.2	138.5	132.6	126.9	116.8
222	136.3	138.8	145.5	151.1	158.0	165.1	172.9	180.9	196.9
223	162.0	158.3	152.4	145.5	139.7	133.9	128.6	123.4	115.1
224	129.3	131.1	137.2	142.6	148.7	155.5	162.7	170.0	187.0
225	285.6	287.0	289.2	288.6	289.7	288.9	288.2	287.0	284.8
226	529.2	531.6	533.7	531.8	532.0	531.1	530.3	529.8	526.8
227	606.3	607.2	608.4	607.4	607.1	607.8	606.4	605.9	601.3
228	698.1	698.3	699.4	699.7	698.9	698.9	696.7	695.2	689.9

Table XCIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 202 Pi	R: 193 Pi	R: 195 Pi	R: 197 Pi	R: 199 Pi	R: 201 Pi	R: 203 Pi	R: 204 Pi	R: 205 Pi
229	368.1	366.7	367.9	367.4	367.9	367.3	365.9	366.0	364.5
230	145.1	144.4	144.9	144.7	145.0	144.7	144.2	144.2	144.4
231	536.3	528.8	514.2	497.6	483.0	467.0	451.5	437.1	409.5
232	690.8	683.7	669.0	651.9	637.7	622.2	604.9	587.9	555.5
233	606.7	612.1	630.5	644.9	661.1	678.6	691.9	708.6	735.4
234	460.8	468.8	483.4	497.8	514.7	531.1	545.8	562.2	593.4
235	208.9	204.8	197.3	189.6	182.6	176.0	169.0	162.5	151.1
236	179.5	176.5	172.9	168.0	163.8	160.1	155.5	151.9	145.1
237	148.0	145.9	143.8	141.7	139.7	138.7	137.2	135.9	132.2
238	139.4	137.8	137.2	136.5	136.2	135.5	134.4	134.2	131.9
239	133.3	132.8	133.9	133.5	133.3	133.3	133.0	133.2	131.9
240	104.7	104.3	105.0	105.6	110.2	110.2	105.4	104.4	103.1
241	122.2	120.3	118.7	116.7	115.8	115.1	114.2	113.1	111.4
242	66.7	66.3	66.9	66.7	66.2	65.5	66.7	67.9	67.9
243	173.9	173.8	174.7	174.2	174.1	174.7	174.9	174.7	176.7
244	272.5	273.5	273.9	273.8	273.9	273.4	271.9	271.0	268.7
245	279.7	281.5	282.5	281.7	281.7	280.5	278.9	276.9	272.7
246	264.4	259.8	250.2	240.6	231.4	221.5	212.3	203.2	186.3
247	212.9	207.8	200.6	191.9	184.2	176.5	169.0	162.4	149.7
248	192.6	189.1	181.1	173.3	165.9	158.8	152.2	145.6	130.4
249	155.8	159.1	167.0	175.0	184.0	192.0	201.5	211.3	230.4
250	185.4	180.3	169.5	158.2	146.1	133.2	119.7	107.1	82.0
251	114.8	113.0	108.7	104.5	101.3	97.7	94.9	92.1	86.7
252	391.5	390.4	391.7	389.7	390.5	390.5	389.1	388.3	386.8

Table XCIV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R: 151 Pi	R: 153 Pi	R: 152 Pi	R: 150 Pi	R: 148 Pi	R: 146 Pi	R: 144 Pi	R: 142 Pi	R: 141 Pi
2	244.1	244.1	244.1	244.7	244.4	244.0	244.0	244.2	243.1
3	300.5	369.6	356.6	342.6	330.5	318.5	306.2	294.2	288.7
4	348.3	281.9	292.9	304.9	316.8	329.2	341.6	354.9	359.8
5	303.3	377.5	362.4	348.5	335.0	322.4	309.1	296.8	291.6
6	350.2	281.2	292.6	305.3	317.9	330.1	343.3	356.5	363.2
7	308.5	381.8	368.2	354.9	341.7	327.0	314.5	302.3	297.1
8	358.0	288.6	300.7	313.3	325.9	337.6	351.2	365.3	372.0
9	351.3	352.2	352.4	353.0	352.5	352.1	351.3	350.8	353.0
10	191.3	191.1	191.4	191.6	191.2	191.4	191.1	190.7	190.3
11	269.9	340.8	327.4	313.4	300.5	287.5	275.5	264.1	259.0
12	312.5	248.2	259.0	271.0	282.1	293.9	306.6	318.8	325.2
13	257.2	327.5	314.5	300.3	287.1	274.5	262.8	251.1	246.4
14	303.3	238.4	249.6	261.1	273.3	284.5	297.1	309.2	315.8
15	252.8	318.7	305.4	292.6	280.9	269.0	258.4	247.3	242.6
16	286.3	226.7	236.6	247.7	257.8	269.0	280.5	292.0	298.2
17	359.1	354.7	357.9	360.5	361.4	360.5	360.3	358.7	360.2
19	199.3	256.1	244.5	233.5	223.0	213.0	203.2	194.2	190.3
20	227.5	179.0	187.3	195.4	203.9	212.9	222.4	232.1	236.9
21	182.3	233.0	223.1	213.4	203.7	195.2	186.4	178.1	174.8
22	210.7	164.9	172.5	180.1	188.4	197.2	206.2	215.7	220.1
23	153.2	197.0	188.1	179.4	171.7	163.6	156.4	149.6	146.8
24	175.5	138.2	144.1	150.6	157.2	164.4	172.0	179.6	183.2
25	146.7	189.3	180.7	172.5	164.6	157.1	150.2	143.8	140.7
26	168.5	132.3	138.5	144.4	151.1	157.5	165.3	172.9	176.6
43	251.4	317.4	303.0	291.2	278.4	267.6	256.2	245.5	241.0
44	293.5	229.5	239.9	251.3	262.3	274.9	287.6	300.3	306.8
67	139.1	177.8	169.7	162.4	154.8	148.4	142.0	136.0	133.4
68	160.8	127.7	133.0	138.7	144.8	151.1	157.5	164.3	167.8
85	341.1	416.8	402.6	387.8	374.0	360.4	346.7	334.5	328.8
86	396.1	322.1	335.5	349.3	361.6	375.0	389.4	403.2	410.5
87	274.3	312.3	306.3	298.9	292.1	284.9	277.4	270.4	266.2
88	298.5	262.6	269.4	275.3	281.9	288.1	294.8	300.8	303.0
89	124.7	129.0	129.1	128.4	127.9	125.6	124.8	124.4	124.1
90	128.8	123.2	124.7	124.6	125.2	126.9	128.7	128.8	128.8
91	124.6	123.5	124.4	124.8	124.8	125.1	124.9	124.4	124.0
921	385.9	384.4	385.6	386.7	386.9	385.8	385.1	385.4	387.5

Table XCIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R: 151 Pi	R: 153 Pi	R: 152 Pi	R: 150 Pi	R: 148 Pi	R: 146 Pi	R: 144 Pi	R: 142 Pi	R: 141 Pi
922	280.1	280.6	280.6	280.6	280.3	280.2	280.3	279.5	278.4
93	186.2	185.8	186.7	186.2	186.0	186.4	185.8	185.9	185.4
94	271.7	267.2	268.6	269.0	269.9	270.8	271.3	272.1	271.8
95	132.9	131.7	132.4	132.3	132.6	132.9	133.0	132.7	132.1
125	167.4	219.1	208.9	199.1	189.6	179.7	171.2	162.4	158.3
126	206.0	157.8	166.6	174.9	183.5	192.3	201.4	211.1	215.8
128	271.2	271.5	273.5	273.0	272.5	271.4	271.1	271.3	273.0
132	110.7	111.7	112.2	111.6	111.6	111.4	111.4	110.8	110.3
201	823.8	822.4	825.6	826.5	825.7	825.3	823.5	822.5	822.8
202	925.1	924.3	926.9	928.6	927.9	926.8	925.7	924.4	924.2
203	968.5	966.1	968.6	969.6	970.2	969.2	968.0	968.1	969.1
204	941.6	936.8	940.3	941.0	941.8	941.8	941.3	941.1	939.6
205	840.7	835.5	839.0	840.7	841.3	841.3	839.7	839.2	838.2
206	707.5	704.6	707.9	708.2	707.7	708.3	706.4	706.0	703.8
207	597.4	593.4	596.4	597.8	597.6	597.8	597.3	596.0	595.0
208	533.6	530.6	533.1	532.9	534.1	533.7	533.1	532.8	530.4
209	705.4	785.5	772.6	757.6	743.1	728.3	712.0	696.6	690.0
210	806.2	869.6	860.0	847.9	837.0	824.6	812.4	799.3	793.5
211	896.3	929.9	925.6	919.1	913.0	907.0	899.6	892.9	889.5
212	925.1	885.2	894.9	902.0	908.6	916.4	921.5	927.7	930.7
213	861.8	793.9	806.9	820.2	831.7	844.9	855.2	866.9	871.1
214	764.3	675.4	693.6	709.1	724.3	740.9	756.2	771.3	778.4
215	371.0	373.7	373.5	374.2	372.6	372.1	370.7	369.8	371.5
216	331.6	403.7	389.8	377.1	363.8	349.4	337.3	325.0	319.8
217	383.2	312.2	325.1	338.1	350.8	362.8	376.3	390.6	396.9
218	276.6	280.6	280.9	280.4	278.7	277.8	276.9	275.3	273.9
219	176.7	223.7	214.3	205.5	196.3	188.0	180.3	172.2	169.2
220	205.8	161.7	169.1	176.8	184.3	192.8	201.0	210.6	214.4
221	139.6	179.8	171.8	163.9	156.3	149.2	142.8	136.7	134.3
222	160.9	125.2	131.1	136.8	143.1	149.5	156.7	164.8	166.1
223	134.5	170.7	163.7	156.2	149.6	143.2	137.2	131.8	129.4
224	153.0	121.4	126.4	132.3	138.1	143.5	149.7	156.0	159.7
225	281.8	279.9	281.3	281.8	281.8	281.3	282.3	281.6	282.4
226	526.1	524.9	525.5	527.5	526.5	527.3	526.7	526.0	527.3
227	602.2	599.2	601.7	601.8	602.4	603.7	602.1	602.4	602.3
228	694.8	692.7	694.3	694.5	696.9	695.8	694.8	694.5	695.2

Table XCIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°
	R: 151 Pi	R: 153 Pi	R: 152 Pi	R: 150 Pi	R: 148 Pi	R: 146 Pi	R: 144 Pi	R: 142 Pi	R: 141 Pi
229	372.0	371.1	372.1	372.1	371.7	372.3	371.9	371.9	369.5
230	143.2	143.1	143.6	143.8	143.4	143.3	143.3	143.0	142.5
231	471.9	559.8	543.7	526.0	511.5	494.6	478.7	464.1	457.5
232	626.5	710.0	695.4	680.0	665.2	649.9	634.1	619.0	612.1
233	671.6	582.5	598.6	615.5	632.4	647.1	663.3	679.2	686.4
234	525.2	441.5	456.2	471.8	486.4	502.4	517.5	532.5	540.9
235	175.9	219.7	210.8	202.7	194.3	186.6	179.3	172.0	169.3
236	160.4	185.1	180.7	176.0	170.9	166.7	162.5	158.0	156.0
237	138.1	148.5	147.1	143.9	141.4	140.4	138.7	137.8	136.7
238	135.2	139.1	138.3	136.5	136.1	136.0	135.4	134.7	133.8
239	132.0	132.2	133.1	132.8	132.7	132.3	132.4	131.8	131.3
240	109.1	103.5	103.8	103.8	103.8	106.2	109.4	108.6	106.7
241	114.6	122.8	122.0	119.1	117.2	115.9	115.0	114.3	113.5
242	62.6	66.9	65.6	63.8	63.2	62.2	62.5	63.4	64.6
243	172.7	173.4	173.2	173.1	173.0	173.0	172.2	173.2	174.5
244	270.2	269.4	270.2	270.7	270.0	270.1	269.9	268.9	270.6
245	276.8	276.8	277.4	278.2	277.7	277.6	276.8	276.0	276.4
246	222.4	274.3	264.4	255.5	245.5	236.5	226.8	218.0	214.5
247	176.1	222.2	213.6	204.4	196.0	187.2	179.6	172.2	168.8
248	158.2	204.6	195.5	186.5	177.8	169.6	161.9	154.4	151.7
249	186.7	144.8	152.1	159.7	167.5	174.8	182.8	191.7	197.6
250	138.0	196.9	188.7	178.7	167.8	156.3	144.7	130.7	124.4
251	99.1	120.6	115.7	111.4	107.7	104.1	100.7	97.3	96.1
252	395.2	395.2	395.9	396.1	396.0	395.5	395.0	394.6	392.4

Table XGV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 846 Pi	R: 847 Pi	R: 848 Pi	R: 849 Pi	R: 850 Pi	R: 851 Pi	R: 852 Pi	R: 853 Pi	R: 854 Pi	R: 855 Pi	R: 856 Pi	R: 857 Pi	R: 858 Pi	R: 859 Pi
2	223.8	245.1	266.7	290.7	314.8	341.3	368.7	398.6	429.7	460.9	491.6	525.5	557.3	588.1
3	313.4	317.4	321.5	327.0	330.8	334.1	337.0	339.1	339.7	339.7	337.2	335.4	329.4	324.7
4	321.7	327.1	332.6	337.4	340.4	343.8	346.0	347.4	348.3	346.9	344.6	342.9	339.1	335.6
5	322.2	323.0	322.5	323.7	323.5	323.4	323.4	320.9	320.8	319.2	315.2	312.2	306.6	299.5
6	327.9	328.6	329.3	329.4	329.1	327.8	326.3	324.2	322.0	319.6	316.3	311.4	306.8	301.1
7	331.8	328.5	325.8	321.8	319.4	315.3	311.7	307.8	304.7	301.2	296.1	292.3	285.6	280.3
8	339.3	336.7	334.6	330.9	328.0	324.0	320.0	315.3	311.4	307.7	303.2	298.1	292.7	288.8
9	380.3	354.3	327.8	303.4	279.8	257.3	235.3	214.5	196.5	179.1	162.3	148.6	136.2	125.0
10	174.5	191.7	209.7	230.2	251.3	273.6	298.1	325.1	352.4	381.9	412.0	444.4	474.9	506.0
11	256.8	258.6	261.5	263.4	266.2	267.7	268.2	267.9	267.9	266.7	264.4	261.8	258.7	253.3
12	258.5	263.0	265.6	267.5	269.6	270.3	271.1	270.8	270.2	268.7	265.5	262.9	260.1	256.2
13	259.6	259.8	260.6	261.7	263.2	263.5	263.1	263.0	262.3	262.4	262.1	261.9	260.1	257.3
14	260.5	263.5	265.0	265.4	266.7	267.0	266.4	266.1	264.9	264.1	261.6	259.7	257.7	255.7
15	271.0	267.9	267.6	265.9	264.0	261.4	258.1	254.6	251.5	249.7	245.7	244.6	241.8	238.8
16	269.7	268.7	267.4	265.0	262.7	260.1	257.4	255.1	251.8	250.0	246.6	243.5	241.5	240.8
17	390.2	361.1	333.0	304.7	278.4	253.3	229.7	205.4	186.7	169.9	157.0	143.4	128.4	118.5
19	211.9	211.7	212.6	211.5	211.8	212.0	212.3	212.7	214.2	215.4	214.8	216.7	217.9	217.9
20	215.1	215.0	213.9	214.5	215.2	215.3	215.6	216.1	215.1	215.5	217.5	218.7	218.5	219.5
21	197.8	197.2	197.2	195.9	197.2	199.1	200.3	200.2	200.8	200.1	198.5	198.1	197.6	197.0
22	196.3	197.3	197.4	197.7	198.4	199.3	200.6	202.0	201.3	198.9	196.1	195.8	195.5	197.7
23	166.1	165.4	165.8	166.6	166.0	165.3	165.2	165.2	164.3	165.2	167.0	168.6	169.8	169.1
24	164.7	164.7	164.8	163.7	162.2	160.4	159.4	158.0	156.7	157.5	158.4	160.5	162.0	163.2
25	160.3	158.6	157.4	157.4	157.1	157.0	156.6	156.4	155.2	155.2	154.8	154.4	154.5	156.5
26	158.5	158.0	157.3	157.1	155.7	155.2	154.3	153.6	152.5	152.8	152.6	152.3	152.5	155.9
43	258.2	264.7	272.6	280.2	287.8	292.5	297.9	301.9	305.9	308.6	308.7	309.0	307.5	306.0
44	253.7	262.3	270.2	277.5	282.6	287.7	292.8	295.9	298.4	299.4	299.6	301.3	302.3	303.0
67	148.2	149.1	150.8	152.8	154.0	155.1	155.5	156.9	157.4	159.3	160.3	161.5	161.5	161.7
68	148.1	150.1	151.8	153.7	154.7	156.2	157.7	158.6	158.6	159.8	161.1	163.0	164.0	165.6
85	356.9	358.6	360.0	361.3	361.0	360.8	359.3	358.8	356.5	353.2	348.7	343.7	336.4	327.1
86	368.8	373.4	375.0	374.5	375.4	374.3	372.8	370.2	368.5	363.8	358.5	353.8	349.9	343.7
87	286.4	283.5	302.1	321.1	340.6	360.8	381.1	402.8	424.8	445.0	465.2	486.5	505.2	520.7
88	267.6	287.4	306.0	326.4	345.4	367.4	388.9	411.5	432.5	453.3	473.2	494.3	515.1	534.8
89	115.4	125.4	137.2	150.8	165.2	181.6	199.4	219.3	240.4	262.5	285.3	311.7	337.5	363.9
90	116.2	126.4	137.9	151.5	166.2	182.6	200.5	220.9	241.4	263.8	287.9	313.1	339.3	365.6
91	114.6	124.8	136.5	149.3	163.5	179.8	197.7	217.8	239.2	262.5	287.9	313.7	340.8	366.8
921	414.1	386.7	359.7	333.5	308.6	284.0	260.4	237.8	218.2	199.7	182.2	165.9	152.6	139.7

Table XCV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 846	R: 847	R: 848	R: 849	R: 850	R: 851	R: 852	R: 853	R: 854	R: 855	R: 856	R: 857	R: 858	R: 859
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	258.1	279.5	302.7	327.7	352.9	380.3	410.0	439.3	471.0	502.9	536.0	573.2	606.8	639.5
93	170.1	186.1	204.0	224.0	244.9	267.2	291.4	317.0	345.5	374.8	404.6	436.8	466.3	496.7
94	249.7	271.1	293.9	318.4	344.2	371.5	400.9	431.7	464.6	497.4	532.2	568.6	600.7	631.7
95	122.1	133.0	145.6	159.9	175.5	192.6	211.3	233.1	255.8	279.7	305.0	332.9	360.5	388.8
125	180.1	179.6	181.1	181.9	180.9	179.6	176.7	173.5	170.3	166.9	164.8	162.4	159.9	156.0
126	190.4	190.9	190.9	189.5	188.0	185.9	183.0	179.8	176.1	172.4	169.0	166.3	163.7	161.5
128	297.8	274.4	252.4	231.5	210.9	192.9	176.5	161.7	149.0	138.2	128.5	120.1	113.2	107.3
132	104.8	110.0	116.8	125.2	135.9	147.0	159.0	173.8	190.5	208.2	229.5	250.9	277.4	300.9
201	846.1	823.3	797.8	769.8	739.6	707.4	675.1	641.4	608.1	574.6	540.2	506.3	472.7	445.9
202	937.2	926.3	911.4	894.1	876.0	854.3	829.0	801.6	776.2	748.0	717.9	688.3	660.5	630.3
203	967.0	967.4	965.4	960.5	953.6	942.7	927.5	908.8	889.9	867.5	842.6	816.2	791.4	763.9
204	920.4	937.4	950.1	959.2	966.3	969.8	970.3	966.3	959.1	949.9	937.8	919.5	904.9	888.0
205	805.7	834.2	859.2	882.0	902.9	920.3	937.1	950.0	958.2	962.5	965.5	963.8	965.6	962.0
206	666.9	699.7	732.9	765.3	794.2	821.8	848.7	873.2	893.7	911.3	928.7	941.1	954.2	964.1
207	556.2	590.8	624.4	657.6	689.5	721.1	751.5	780.6	808.5	833.5	856.7	878.3	900.1	919.2
208	499.8	527.9	556.9	586.5	615.4	646.0	675.5	706.9	736.6	765.3	792.3	818.9	844.9	867.8
209	721.3	725.3	728.1	729.4	730.3	729.6	726.4	719.1	712.4	704.3	692.5	678.3	662.1	644.1
210	813.1	821.5	828.4	833.8	835.9	836.7	835.9	830.1	825.0	816.1	804.4	791.0	773.2	753.9
211	890.1	903.5	914.0	921.8	927.6	930.8	931.4	927.0	920.2	911.3	899.6	885.9	868.4	850.6
212	896.9	911.8	923.7	931.9	937.8	942.1	941.7	936.7	930.4	921.5	910.1	894.8	881.8	861.7
213	830.6	841.1	848.5	855.5	857.3	859.5	857.4	851.5	845.5	837.0	825.7	812.0	795.7	777.5
214	730.5	737.6	742.0	743.9	744.2	743.9	740.9	733.5	727.2	719.2	707.7	694.0	679.1	663.1
215	400.1	374.2	348.6	323.3	299.0	275.3	253.1	231.6	212.3	194.5	177.1	161.2	148.1	135.6
216	343.2	348.7	353.7	358.6	363.0	366.0	368.2	370.3	371.4	371.9	369.7	369.9	365.5	360.9
217	352.8	360.3	366.5	370.0	373.8	375.8	378.7	380.1	380.6	378.6	376.3	374.7	372.6	370.5
218	254.9	277.9	300.1	324.8	350.0	377.4	406.8	436.6	468.5	499.8	531.9	567.1	600.0	632.8
219	187.9	189.9	191.6	195.2	194.6	194.9	195.9	195.6	196.2	196.5	197.9	198.7	198.3	197.5
220	189.4	192.4	194.8	196.8	197.6	198.2	198.7	199.4	198.8	198.6	198.3	199.2	199.8	199.9
221	152.1	152.0	153.2	153.8	154.6	155.1	155.4	155.7	156.7	157.2	157.8	159.0	160.5	161.8
222	149.7	150.7	151.6	151.9	152.5	152.9	153.2	153.6	154.0	154.7	155.8	156.0	158.3	161.7
223	144.8	145.9	147.6	149.4	150.6	151.9	152.6	153.3	154.3	155.3	156.4	157.8	157.0	157.8
224	143.9	145.5	147.7	148.1	149.6	150.8	151.4	152.2	153.0	153.4	154.8	156.8	157.5	160.1
225	310.2	287.2	264.5	243.3	223.3	204.4	186.8	170.6	156.4	143.6	132.0	122.3	114.1	106.4
226	556.4	527.6	498.5	469.7	441.3	413.1	384.4	356.3	330.4	304.5	278.1	256.0	234.8	214.8
227	633.3	602.7	569.8	535.2	501.3	468.3	435.5	404.2	376.6	349.6	322.0	297.4	273.0	251.3
228	726.1	693.4	660.4	625.4	588.4	551.4	510.6	468.5	435.7	404.0	373.9	347.1	323.3	301.0

Table XGV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 846	R: 847	R: 848	R: 849	R: 850	R: 851	R: 852	R: 853	R: 854	R: 855	R: 856	R: 857	R: 858	R: 859
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	343.1	389.3	398.0	425.1	456.2	489.4	521.8	555.1	586.3	619.1	650.8	683.4	713.8	744.0
230	131.7	144.1	157.9	173.3	189.8	208.4	229.2	251.9	275.9	301.0	328.0	356.0	383.5	411.4
231	491.4	489.9	489.0	488.1	485.1	481.9	478.4	474.0	467.6	461.3	452.4	445.4	437.4	426.6
232	645.3	646.0	646.7	647.3	644.3	642.2	636.8	629.6	621.9	612.8	599.5	587.4	571.9	555.3
233	641.2	644.9	645.8	645.2	641.9	638.3	632.3	625.6	618.4	608.6	597.1	583.7	570.3	557.0
234	495.5	496.1	495.3	493.4	489.0	484.7	479.8	474.1	466.7	457.3	448.1	440.5	431.6	423.2
235	175.5	183.1	192.1	200.1	206.3	213.3	218.4	222.4	226.4	229.7	232.7	234.8	236.0	234.0
236	152.2	165.2	178.3	191.6	204.6	216.9	231.1	244.6	258.4	271.0	283.3	298.1	311.9	323.6
237	127.9	140.5	153.7	169.5	184.7	201.9	220.8	241.1	262.6	285.1	307.9	333.5	357.6	381.7
238	124.8	136.6	150.0	164.5	180.4	197.6	216.7	238.3	260.6	284.2	308.7	336.5	362.9	388.6
239	121.6	132.4	145.2	159.3	174.7	191.9	211.6	232.4	254.8	278.8	303.9	332.1	358.7	388.3
240	94.8	104.2	115.2	125.7	136.6	149.2	164.3	180.6	198.2	219.5	240.7	264.6	286.3	312.1
241	100.1	114.6	128.2	140.5	153.8	164.2	176.0	187.4	198.3	208.8	221.6	233.1	243.8	257.6
242	71.9	64.0	57.5	51.8	47.5	43.7	41.7	39.5	37.5	36.5	35.5	34.4	33.6	32.9
243	182.2	170.7	159.0	146.8	134.8	123.0	113.1	103.4	95.0	86.9	79.8	74.2	69.0	63.7
244	296.1	273.1	252.3	231.8	212.9	195.4	179.0	163.4	150.2	137.7	126.6	117.8	110.9	104.4
245	308.3	280.4	258.4	236.6	216.4	197.7	180.8	164.7	151.2	138.9	127.5	117.9	110.3	103.4
246	224.6	223.7	224.1	222.9	221.0	220.9	220.6	218.7	218.5	217.5	215.5	216.8	216.8	215.9
247	187.1	190.6	194.8	197.4	200.2	201.8	202.8	202.8	203.8	202.8	199.6	194.2	187.1	175.4
248	172.9	170.4	169.8	169.2	168.7	166.9	165.1	162.6	160.4	158.2	156.9	155.7	155.3	153.3
249	175.6	174.7	174.2	172.0	170.6	168.2	166.6	163.8	160.4	157.3	155.5	154.2	153.7	153.2
250	144.0	158.3	166.3	166.6	163.3	158.0	151.5	145.7	140.8	134.4	127.4	119.1	111.8	105.8
251	106.9	105.5	102.5	101.3	101.4	101.0	101.0	101.4	101.3	101.5	102.3	103.6	104.6	106.0
252	366.7	391.6	418.4	447.3	476.4	508.8	542.8	577.7	611.3	644.3	677.5	709.0	740.6	769.8

Table XCVI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 861 Pi	R: 862 Pi	R: 863 Pi	R: 864 Pi	R: 865 Pi	R: 866 Pi	R: 867 Pi	R: 868 Pi	R: 869 Pi	R: 870 Pi	R: 871 Pi	R: 872 Pi	R: 873 Pi	R: 874 Pi
2	223.4	244.3	266.4	290.8	315.1	342.5	370.2	400.2	430.5	460.5	491.8	523.3	556.2	587.2
3	286.2	290.5	295.3	299.3	302.7	306.3	307.7	309.2	309.0	306.9	306.0	304.0	300.8	297.3
4	347.6	355.2	357.8	363.2	367.0	370.9	373.1	377.5	377.1	377.8	376.5	372.1	367.7	362.2
5	293.4	293.3	294.5	294.8	294.9	295.3	293.4	293.0	291.2	288.8	287.5	284.7	279.3	274.1
6	354.5	358.8	356.5	356.1	356.8	356.0	353.7	353.5	350.8	348.0	343.7	337.3	332.7	325.8
7	301.9	299.1	295.7	293.4	291.0	287.6	283.6	280.7	276.5	272.9	270.4	266.0	261.8	258.1
8	368.4	367.4	362.7	358.0	354.6	351.1	346.6	342.9	339.3	334.2	329.5	322.4	317.3	312.0
9	381.5	355.2	328.6	303.7	280.0	256.6	234.9	214.3	196.3	178.9	163.6	148.5	135.6	123.9
10	174.5	191.3	209.5	229.6	250.1	273.7	298.0	325.4	351.6	379.6	410.6	441.4	473.5	505.0
11	235.1	236.7	239.2	241.0	242.5	244.1	243.7	244.5	243.9	242.4	239.8	237.5	233.6	228.2
12	282.2	286.0	288.1	290.5	292.3	293.8	294.2	293.3	292.9	292.2	291.5	288.9	286.2	283.1
13	238.5	237.4	238.3	239.6	239.8	240.2	240.1	240.7	240.3	239.1	239.4	238.0	236.7	234.2
14	284.4	286.2	287.3	288.9	289.2	288.8	289.2	288.3	287.5	287.1	286.7	284.2	283.1	281.4
15	248.2	246.7	244.7	243.6	240.8	239.1	235.5	233.0	230.1	227.7	225.7	222.8	220.3	217.7
16	292.7	291.2	289.3	286.9	284.6	282.0	278.8	275.5	273.0	271.1	269.7	265.9	264.5	263.5
17	390.8	362.3	334.0	307.0	279.7	251.7	227.0	205.1	186.3	169.7	162.3	146.1	127.1	116.4
19	193.4	193.2	195.1	194.0	194.4	194.7	194.3	194.4	195.5	195.7	195.9	196.4	197.7	197.7
20	240.3	238.6	237.1	236.5	238.8	238.3	238.9	238.5	238.4	240.4	243.6	243.4	243.6	243.0
21	180.4	179.7	180.2	177.3	177.8	179.5	181.9	182.8	182.9	181.8	180.8	180.0	179.8	180.2
22	217.4	218.0	217.8	218.3	218.7	220.1	221.9	222.7	223.5	221.8	220.1	217.1	216.9	217.1
23	152.9	152.7	153.3	154.0	154.4	152.9	152.5	152.2	152.0	151.9	153.3	153.9	153.5	152.4
24	181.9	181.6	180.8	179.4	178.0	176.1	175.2	173.6	172.5	172.9	175.4	176.6	179.0	179.1
25	144.3	143.7	143.8	143.6	144.3	143.6	142.5	142.3	141.6	140.6	140.4	138.3	137.6	139.7
26	173.9	172.7	171.7	170.4	169.6	169.0	168.2	167.1	167.1	167.1	168.4	167.5	167.6	168.7
43	237.6	243.7	250.6	257.1	262.2	267.3	271.9	275.7	278.7	280.5	281.3	280.0	278.7	278.7
44	274.9	284.0	292.6	299.9	306.9	312.7	316.6	320.3	322.9	324.6	328.4	327.8	329.2	328.7
67	134.6	135.4	137.9	140.1	141.1	142.3	142.5	143.2	143.8	144.2	145.6	144.1	142.6	142.0
68	161.8	163.3	165.6	167.4	168.8	170.8	172.3	173.1	173.4	175.1	178.2	179.2	180.9	181.0
85	328.0	329.2	330.8	332.0	332.3	332.5	330.7	329.3	326.6	321.9	316.2	310.9	305.2	298.6
86	401.1	400.8	402.2	403.9	404.2	403.8	402.3	399.5	396.5	393.3	390.2	385.1	378.1	369.2
87	252.5	268.6	286.8	305.3	323.6	343.3	363.2	383.3	402.7	421.3	440.4	458.4	476.5	494.5
88	281.4	299.9	320.5	342.0	362.7	384.3	407.9	429.9	450.8	473.3	494.7	517.6	538.0	557.6
89	114.8	125.3	137.1	150.1	164.0	180.7	198.3	217.6	236.6	257.9	281.1	304.0	330.1	357.2
90	117.3	128.7	141.8	155.0	168.5	186.8	205.1	225.7	246.2	269.2	293.4	319.5	346.7	373.8
91	113.8	124.1	135.7	148.6	162.8	179.6	198.0	218.0	239.0	261.8	286.1	311.4	339.2	367.6
921	416.2	388.4	360.1	333.0	307.4	283.3	259.1	238.5	218.6	199.5	182.7	166.2	151.8	138.9

Table XCVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 861 Pi	R: 862 Pi	R: 863 Pi	R: 864 Pi	R: 865 Pi	R: 866 Pi	R: 867 Pi	R: 868 Pi	R: 869 Pi	R: 870 Pi	R: 871 Pi	R: 872 Pi	R: 873 Pi	R: 874 Pi
922	257.3	279.9	303.1	329.0	355.0	383.5	411.6	442.6	473.3	504.2	538.4	572.8	606.4	639.9
93	169.8	186.3	204.3	223.7	244.2	267.1	291.6	317.7	344.3	372.8	402.8	433.8	464.9	496.5
94	250.0	272.7	296.0	321.2	347.2	376.8	406.5	437.5	469.8	502.1	536.5	569.5	602.8	634.8
95	121.4	132.8	145.8	160.3	176.6	194.0	214.0	235.0	257.2	281.3	306.3	333.2	360.7	389.9
125	164.4	163.8	164.5	166.5	165.8	164.3	161.8	159.7	156.5	152.7	151.4	149.1	146.7	143.1
126	210.7	211.8	211.7	210.2	208.4	205.2	201.5	198.1	194.2	189.8	186.8	183.0	180.9	178.0
128	298.4	275.4	252.0	231.5	210.8	192.3	175.3	161.4	148.8	137.6	128.9	120.1	112.9	106.8
132	102.0	107.7	114.9	123.4	133.4	146.2	159.7	175.3	192.2	210.0	229.7	252.8	276.8	300.6
201	849.5	823.3	795.4	765.9	735.1	702.9	670.3	636.9	605.7	574.8	541.3	505.6	471.8	443.4
202	939.4	924.0	908.7	889.4	869.5	847.2	823.6	797.5	772.2	746.4	719.3	690.5	658.9	629.4
203	969.6	965.3	962.4	957.4	947.8	935.2	922.3	904.6	885.7	866.6	844.6	819.5	790.8	761.8
204	923.5	935.6	945.4	954.1	961.1	963.4	964.0	960.5	956.2	948.9	938.1	923.5	906.5	886.2
205	809.7	833.0	857.6	879.5	898.4	917.3	931.9	943.6	954.1	961.7	967.0	968.7	965.4	959.3
206	670.2	700.9	733.0	763.8	791.7	818.4	845.5	869.7	891.4	911.0	928.9	943.4	953.3	960.1
207	560.7	593.6	625.9	659.3	689.7	720.0	749.3	779.5	807.3	834.6	859.7	881.0	900.3	918.0
208	502.3	530.1	558.4	587.0	615.8	645.4	676.1	706.8	737.2	766.1	794.5	820.5	845.5	867.5
209	687.7	691.6	694.7	698.3	698.5	696.9	694.3	688.7	682.5	671.3	658.9	646.6	631.5	616.7
210	788.4	794.7	800.6	806.2	808.6	809.2	808.1	804.5	798.6	789.6	778.3	765.2	749.8	731.3
211	876.2	887.3	898.0	903.9	908.3	911.1	911.7	910.3	903.5	895.5	886.6	874.1	857.0	837.3
212	912.1	924.9	933.8	941.8	948.0	951.4	951.2	947.5	942.3	933.8	923.4	908.3	891.0	872.3
213	855.0	865.5	873.0	879.2	882.9	883.4	881.0	876.0	870.0	860.4	846.9	833.1	818.1	798.9
214	763.3	771.8	776.0	779.4	779.0	777.5	774.2	767.1	759.5	749.9	736.8	723.0	708.5	691.9
215	401.7	374.8	348.1	322.6	298.3	273.9	251.3	230.3	211.4	193.0	177.4	160.7	146.7	133.8
216	316.0	321.2	325.8	330.8	334.3	338.2	339.6	341.8	341.7	340.6	338.6	336.0	333.7	331.6
217	381.9	386.5	392.7	398.3	403.1	405.3	408.1	407.8	408.6	407.4	407.2	406.4	402.1	397.2
218	253.0	274.4	298.6	323.5	348.9	377.1	405.6	436.1	466.9	497.0	530.5	563.3	596.3	629.3
219	173.0	173.7	175.9	178.0	177.5	177.3	178.2	178.2	178.8	179.4	180.1	180.2	180.0	179.8
220	209.7	212.8	215.3	218.2	219.8	219.9	221.4	221.4	220.3	221.0	221.4	221.2	221.4	221.7
221	137.4	137.4	138.1	139.5	140.1	140.6	140.9	141.6	141.2	141.0	141.2	140.6	142.5	144.9
222	162.7	164.4	164.6	165.4	165.5	165.8	166.9	167.2	167.9	168.8	169.9	170.3	172.7	176.2
223	130.9	132.5	134.3	135.9	137.0	137.7	138.0	137.8	137.6	138.2	139.1	139.1	140.1	136.2
224	154.7	156.5	158.1	159.5	161.6	162.9	164.2	165.1	166.2	167.6	170.1	171.6	174.4	174.9
225	308.9	284.8	262.2	240.8	220.7	202.0	184.4	168.3	154.3	141.7	131.0	120.5	112.1	105.2
226	559.2	529.4	500.0	471.3	443.0	413.3	383.6	356.2	329.7	303.9	279.9	256.5	234.5	214.3
227	635.8	603.3	569.7	535.7	501.4	466.6	434.5	405.3	377.8	350.8	325.0	299.0	274.5	251.4
228	728.5	695.0	660.7	625.5	589.0	549.9	507.4	469.2	434.8	403.9	375.8	349.4	324.7	301.2

Table XCVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 861 Pi	R: 862 Pi	R: 863 Pi	R: 864 Pi	R: 865 Pi	R: 866 Pi	R: 867 Pi	R: 868 Pi	R: 869 Pi	R: 870 Pi	R: 871 Pi	R: 872 Pi	R: 873 Pi	R: 874 Pi
229	343.2	370.7	398.7	428.0	458.4	491.7	523.5	557.5	587.6	619.5	652.4	684.1	715.8	744.0
230	130.7	143.6	157.8	173.4	190.0	209.5	230.9	253.9	276.3	301.3	328.2	354.3	382.8	413.0
231	460.8	459.9	457.7	455.7	453.5	450.1	445.2	442.1	436.5	430.2	422.7	414.6	404.6	394.8
232	611.0	611.6	613.8	613.8	612.2	609.4	603.6	597.5	589.7	579.0	568.0	555.2	542.0	526.4
233	676.9	680.7	680.8	680.2	679.3	673.9	668.2	659.9	651.1	642.0	630.1	616.5	602.7	586.9
234	531.8	533.5	532.8	530.2	527.6	522.5	517.2	510.1	502.9	494.4	485.6	473.8	462.8	452.1
235	162.5	169.3	177.0	183.6	190.1	195.4	198.4	202.3	205.2	207.4	208.2	210.0	210.8	212.6
236	145.2	157.1	168.9	180.9	192.3	204.7	216.8	228.8	240.1	251.8	264.2	276.5	289.9	301.8
237	128.9	139.0	151.9	165.9	180.5	197.3	215.5	235.2	255.5	276.6	299.1	323.3	346.7	371.1
238	124.6	135.6	148.3	162.2	178.1	195.2	214.6	235.3	256.8	280.2	303.9	331.0	356.5	382.4
239	121.3	132.4	144.9	159.1	175.0	192.8	211.8	232.7	255.0	278.7	304.7	330.1	357.7	385.2
240	100.2	107.6	115.9	126.3	137.9	151.2	165.8	182.3	199.1	220.1	241.6	260.2	278.8	298.7
241	100.6	113.0	124.2	134.7	145.3	154.8	163.9	173.5	181.8	191.8	203.5	214.3	227.3	237.1
242	71.7	64.0	57.9	52.2	47.8	43.0	39.9	37.5	35.8	34.7	34.5	32.8	32.7	31.6
243	182.4	171.6	159.2	147.5	135.9	123.7	113.4	103.4	93.8	85.6	80.0	73.2	67.7	62.6
244	295.9	273.3	252.0	230.2	211.8	193.4	176.5	161.7	149.1	137.5	128.0	118.3	110.9	104.2
245	305.3	277.7	255.0	233.8	213.8	195.0	177.9	162.7	149.1	137.2	127.1	117.1	110.5	103.3
246	205.0	204.1	204.7	203.2	202.9	202.5	200.9	200.1	199.1	197.3	197.0	197.4	197.5	196.9
247	171.6	174.8	178.1	180.2	181.5	183.3	183.5	183.4	183.2	181.9	178.5	171.2	161.8	150.4
248	157.3	156.5	155.5	155.6	155.1	154.0	152.4	150.6	148.4	145.7	144.4	142.2	140.8	138.4
249	193.8	194.1	192.5	190.2	188.5	185.6	183.5	180.2	176.6	174.0	172.3	170.4	169.2	168.0
250	111.4	129.5	144.1	151.9	151.9	150.2	144.5	135.8	129.0	122.9	116.5	108.3	101.1	94.5
251	101.0	101.0	99.0	94.3	93.4	92.9	92.2	92.2	92.2	92.3	94.5	95.0	94.7	96.4
252	367.5	393.8	419.8	449.0	480.0	512.2	545.5	580.4	612.9	646.8	679.4	711.2	742.3	770.6

Table XCVII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 876 Pi	R: 877 Pi	R: 878 Pi	R: 879 Pi	R: 880 Pi	R: 881 Pi	R: 882 Pi	R: 883 Pi	R: 884 Pi	R: 885 Pi	R: 886 Pi	R: 887 Pi	R: 888 Pi
2	375.5	372.1	373.7	373.3	372.7	372.0	370.9	371.0	370.1	371.7	371.3	370.7	370.0
3	429.4	396.9	382.7	367.3	351.0	342.4	337.6	330.9	322.6	308.4	296.6	285.3	264.2
4	269.2	290.8	304.9	317.6	332.7	341.7	347.5	353.0	360.0	373.7	392.5	407.2	436.4
5	413.7	382.4	367.7	352.3	336.0	327.5	323.0	316.4	307.7	294.1	283.6	271.9	251.9
6	253.1	273.2	286.8	297.7	313.3	322.3	328.0	331.9	339.5	355.9	372.5	386.1	415.5
7	398.5	367.7	354.8	337.8	323.8	315.6	312.2	304.7	297.7	283.7	273.7	262.4	244.3
8	248.8	268.3	280.8	291.5	306.1	315.1	320.0	325.4	332.7	347.5	364.6	377.8	407.4
9	234.2	235.2	235.3	236.1	234.9	235.5	234.7	234.7	234.9	235.4	234.5	234.3	233.9
10	302.9	301.6	300.8	303.1	300.8	300.4	300.3	300.9	300.2	299.9	299.8	300.7	299.7
11	351.4	323.9	307.1	293.7	280.4	276.2	268.6	261.8	255.4	244.4	233.4	223.8	206.8
12	206.8	223.7	233.3	245.7	258.6	264.2	271.8	277.0	283.9	294.2	306.0	323.2	351.0
13	344.4	316.6	300.5	287.9	275.5	271.5	262.9	257.6	250.9	240.8	229.8	221.0	204.3
14	204.3	220.4	229.6	241.3	253.2	259.9	267.1	272.8	278.4	289.3	301.1	317.2	345.2
15	337.6	310.5	294.7	282.6	269.5	266.8	257.9	252.7	245.9	235.9	225.4	216.7	200.5
16	198.2	213.1	221.8	234.1	244.3	250.8	257.2	264.0	268.4	279.3	290.6	306.1	332.6
17	230.4	230.4	228.3	229.1	229.7	230.3	227.9	229.2	228.4	226.9	227.2	228.8	229.0
19	283.6	259.1	245.8	236.2	223.6	219.3	212.5	208.7	203.7	194.8	186.8	179.4	162.5
20	164.4	178.6	186.3	195.3	205.4	210.0	215.8	222.9	230.1	236.5	249.1	263.0	285.3
21	264.7	240.6	231.7	221.4	209.7	206.3	201.1	196.7	192.1	182.4	176.0	168.7	152.7
22	155.2	168.9	175.3	183.3	190.7	195.5	200.8	206.4	209.6	222.3	234.6	242.2	263.5
23	219.2	201.5	190.7	182.0	173.9	169.4	165.2	161.6	159.1	152.8	146.4	138.8	131.0
24	126.6	134.7	140.8	147.0	152.4	156.1	159.9	163.6	167.6	175.4	185.7	195.3	212.8
25	206.8	186.8	177.7	170.1	162.5	159.5	156.8	153.3	150.5	143.1	136.5	130.6	121.0
26	120.8	130.3	135.1	142.7	148.3	151.3	155.1	157.4	161.5	168.5	177.5	185.8	206.1
43	381.6	351.6	337.2	324.0	308.6	303.7	298.3	290.2	283.7	272.0	261.6	249.9	231.4
44	223.3	242.4	252.6	264.6	277.8	285.3	293.4	298.1	303.2	317.3	329.8	343.8	371.2
67	206.3	186.7	177.8	170.6	161.9	160.0	156.5	152.8	149.8	143.1	136.0	129.8	120.1
68	122.2	132.4	139.4	144.8	151.0	154.8	158.2	161.2	164.4	172.6	181.3	190.3	209.7
85	455.5	425.2	406.6	389.9	375.1	367.1	361.3	354.6	345.8	331.1	317.8	305.5	283.9
86	290.9	314.0	329.2	342.3	358.4	365.2	371.8	378.4	387.8	402.3	418.7	439.3	469.2
87	444.7	425.2	415.1	403.7	392.1	387.3	383.1	378.5	373.3	364.0	353.1	345.6	328.2
88	335.5	351.8	361.5	371.9	383.1	385.9	390.8	395.4	399.8	408.7	419.0	430.7	447.8
89	214.1	209.1	206.0	205.2	202.4	202.2	201.0	199.7	199.0	199.4	197.2	195.5	192.1
90	194.2	196.0	196.8	198.8	199.9	200.9	201.9	202.8	203.9	205.9	206.8	210.5	215.5
91	202.7	200.5	199.3	199.5	198.3	198.8	199.1	199.1	199.4	198.8	200.5	200.6	200.9
921	258.4	260.1	258.8	260.6	260.8	259.9	258.8	259.3	261.7	259.4	259.8	258.9	259.9

Table XCVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 876	R: 877	R: 878	R: 879	R: 880	R: 881	R: 882	R: 883	R: 884	R: 885	R: 886	R: 887	R: 888	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	413.9	413.3	413.5	413.5	412.3	412.0	411.3	410.6	411.2	412.9	412.5	411.2	412.5	
93	295.1	294.4	293.6	295.1	294.2	294.0	293.3	293.9	293.6	292.6	293.0	294.0	293.4	
94	397.1	398.3	400.6	403.8	402.9	403.1	403.3	403.9	403.9	407.2	408.3	408.3	411.8	
95	214.6	212.0	211.5	211.7	211.2	212.7	213.9	213.6	214.2	214.4	215.3	215.6	216.4	
125	233.3	214.8	202.7	193.9	185.4	181.1	176.8	172.7	170.8	162.7	156.9	148.5	137.2	
126	142.8	154.9	161.9	168.5	175.2	179.8	183.6	188.1	195.4	201.9	213.2	222.6	243.6	
128	178.0	177.8	177.3	177.4	176.6	176.5	176.0	176.4	176.8	175.8	175.2	174.7	175.9	
132	160.4	159.4	158.7	159.7	159.1	159.4	159.7	160.7	161.0	160.7	160.4	160.1	159.8	
201	672.0	674.6	676.6	676.1	675.1	674.5	672.2	673.4	672.2	670.0	669.3	667.6	663.7	
202	822.9	826.5	829.6	827.5	827.9	827.6	826.5	825.5	825.3	822.6	824.9	821.4	814.4	
203	919.3	924.1	928.3	924.7	926.1	925.7	926.3	924.0	925.0	922.7	924.4	920.2	913.1	
204	962.1	966.9	970.9	967.6	968.7	968.6	969.7	966.5	967.3	963.9	966.0	962.1	955.1	
205	929.8	934.7	937.6	935.4	936.8	936.5	938.2	936.0	935.2	932.3	933.9	929.4	924.8	
206	845.8	848.5	852.7	847.9	849.7	848.4	850.0	848.6	847.7	846.6	845.6	842.5	838.3	
207	748.6	751.3	755.4	751.7	752.1	751.6	751.7	752.5	751.7	751.2	751.2	748.7	744.8	
208	676.2	677.2	679.8	677.4	677.1	677.2	677.4	677.6	677.4	676.7	676.6	674.6	672.6	
209	822.7	793.9	777.8	760.4	744.7	736.5	725.3	716.4	707.5	694.2	675.3	657.6	626.2	
210	909.5	888.6	875.4	864.1	849.6	843.7	836.0	828.5	820.2	809.0	793.4	777.0	750.2	
211	966.8	958.6	951.4	946.1	938.5	934.1	930.5	924.9	920.8	913.0	904.3	892.0	874.0	
212	890.8	908.6	919.5	927.0	933.4	936.2	940.9	944.1	946.4	951.0	959.3	963.5	970.3	
213	779.0	803.1	817.9	832.4	843.1	850.6	856.9	864.1	868.7	882.0	894.1	903.1	923.6	
214	638.0	669.5	689.3	707.1	721.3	731.3	740.1	748.9	755.8	774.4	789.3	803.7	834.3	
215	255.6	255.4	254.2	254.6	253.7	252.7	252.1	252.4	251.9	252.0	250.9	249.6	248.9	
216	463.5	433.0	415.1	399.0	384.2	374.9	369.7	363.1	354.4	339.9	326.7	313.6	291.9	
217	297.1	319.4	334.9	347.4	363.5	371.0	378.8	384.3	392.9	408.4	424.8	445.0	475.2	
218	421.4	416.6	416.5	414.4	411.6	410.3	408.8	408.0	407.6	407.1	404.3	402.1	400.6	
219	259.9	236.3	228.6	216.3	205.0	201.6	196.7	191.7	186.4	178.6	172.5	163.9	149.1	
220	153.2	167.6	173.1	180.8	188.5	193.5	199.2	203.9	208.9	221.8	232.6	241.1	262.7	
221	203.9	185.6	177.5	169.3	162.1	159.6	156.0	153.0	149.4	141.8	135.5	133.3	121.3	
222	119.4	130.9	134.4	141.4	147.5	151.7	154.4	157.9	160.3	167.4	175.4	183.7	203.6	
223	200.7	182.9	173.7	166.2	159.1	155.8	153.2	149.5	145.4	138.9	132.4	129.0	117.9	
224	116.2	128.3	131.1	137.8	143.6	148.0	152.1	154.5	157.8	164.7	172.1	181.3	200.3	
225	182.5	183.6	183.6	184.6	184.8	186.0	186.0	185.5	184.9	184.7	183.8	183.5	182.4	
226	378.5	382.0	384.0	384.9	384.5	384.5	383.5	383.4	383.1	383.7	383.6	383.8	382.7	
227	431.4	432.8	434.5	435.2	434.1	434.7	433.7	433.7	433.3	434.4	435.1	434.9	436.2	
228	504.3	507.0	509.2	510.0	509.6	509.4	507.6	508.2	507.5	507.5	506.9	506.2	505.7	

Table XCVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 876 P1	R: 877 P1	R: 878 P1	R: 879 P1	R: 880 P1	R: 881 P1	R: 882 P1	R: 883 P1	R: 884 P1	R: 885 P1	R: 886 P1	R: 887 P1	R: 888 P1
229	525.1	526.0	526.0	524.8	523.9	523.9	524.2	524.4	524.1	525.1	524.9	522.4	523.0
230	233.0	231.4	231.2	230.9	230.1	230.5	231.2	231.0	230.7	231.4	230.8	229.2	233.1
231	586.2	551.1	531.4	515.3	496.5	487.6	477.9	469.5	463.1	446.2	429.4	416.8	390.8
232	737.6	707.1	689.8	672.4	654.7	646.5	636.4	626.9	619.2	604.1	585.4	569.8	537.4
233	528.0	562.6	581.3	599.7	615.6	624.1	634.0	642.3	650.4	667.9	685.9	702.5	733.3
234	386.5	414.5	428.4	448.2	462.1	470.8	480.2	489.9	497.4	517.2	534.2	552.5	584.6
235	288.4	262.7	253.0	243.2	230.5	224.4	218.8	214.7	209.5	199.6	192.2	184.1	165.5
236	284.5	265.4	256.5	251.6	241.7	236.3	232.4	229.2	225.0	217.3	211.1	204.7	186.5
237	241.1	233.2	228.9	227.0	224.7	224.2	222.4	220.2	218.6	216.3	212.1	209.7	204.3
238	231.7	226.0	223.1	221.3	220.2	220.2	219.4	217.4	215.9	215.2	213.3	210.9	209.1
239	218.0	214.7	213.0	211.8	211.8	212.6	213.6	212.5	212.3	212.2	212.7	211.5	212.6
240	163.0	160.9	159.6	165.5	165.2	165.2	166.2	166.0	165.7	166.8	166.9	163.6	157.1
241	209.2	197.0	192.0	187.1	182.2	179.7	177.8	175.8	172.7	165.9	159.7	154.3	142.6
242	44.0	42.4	41.5	41.5	40.4	41.7	42.2	41.4	40.8	40.4	40.8	41.0	42.3
243	113.0	113.6	113.0	113.9	112.4	112.9	112.7	112.6	113.3	113.9	113.4	113.3	113.1
244	175.5	176.1	175.7	177.2	176.9	178.1	178.0	178.0	177.5	177.2	176.6	175.9	174.5
245	177.5	178.7	177.9	178.9	179.1	180.8	180.2	179.9	179.3	178.3	177.3	177.2	176.9
246	292.4	265.7	253.5	242.8	231.7	225.7	220.8	214.1	210.3	201.6	192.9	185.4	167.9
247	271.3	246.5	235.1	224.0	212.8	207.8	203.3	199.2	193.5	184.3	177.1	169.4	151.7
248	215.8	197.9	188.1	181.0	172.1	169.2	165.1	161.7	158.6	153.2	145.5	139.4	130.9
249	131.1	139.8	145.9	153.7	158.6	162.4	166.9	170.4	174.1	184.5	192.1	202.4	220.3
250	190.1	174.3	167.1	161.5	155.3	153.6	151.4	149.8	147.1	145.1	143.4	142.8	134.5
251	135.3	122.7	117.4	113.0	107.0	105.0	101.6	99.3	97.0	92.7	90.4	86.5	80.7
252	544.8	545.2	546.5	545.2	543.1	544.5	545.2	545.3	545.6	546.7	545.8	545.3	544.5

Table XCVIII: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	$.0^\circ$	2.0°
	R: 894 P: 895	R: 895 P: 895
2	429.0	430.7
3	340.0	310.1
4	346.8	377.2
5	321.1	291.4
6	321.9	349.5
7	304.8	277.3
8	310.3	337.3
9	196.2	196.1
10	351.7	351.6
11	267.7	244.5
12	269.6	292.4
13	263.1	241.1
14	265.2	287.4
15	251.1	231.0
16	251.7	272.2
17	186.7	186.4
19	213.9	195.9
20	215.0	238.9
21	200.8	183.3
22	200.8	222.7
23	164.8	152.3
24	156.6	172.0
25	155.7	142.4
26	152.5	167.0
43	305.3	278.8
44	297.7	322.4
67	157.9	144.8
68	158.9	173.4
85	358.3	326.9
86	367.0	395.1
87	423.5	403.1
88	431.8	450.6
89	240.1	237.5
90	241.1	248.6
91	239.1	239.0
921	218.2	218.3

Table XCVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 894 Pi	R: 895 Pi
922	470.0	472.5
93	345.1	344.8
94	463.5	469.0
95	255.4	257.3
125	170.3	157.1
126	176.4	193.4
128	149.4	149.0
132	190.6	193.3
201	607.5	604.7
202	774.5	772.1
203	888.2	886.3
204	957.6	955.9
205	956.0	954.3
206	893.0	890.8
207	807.0	806.3
208	735.4	735.7
209	712.7	682.1
210	823.6	798.6
211	918.8	904.0
212	929.2	942.7
213	845.1	868.7
214	725.5	757.6
215	212.0	211.1
216	372.1	342.6
217	379.3	406.7
218	467.2	466.4
219	196.3	179.4
220	198.9	220.3
221	156.9	142.0
222	153.8	167.5
223	154.6	138.8
224	152.9	165.9
225	156.2	154.2
226	329.7	328.1
227	376.0	376.5
228	434.4	433.7

Table XCVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.50$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 894	R: 895
	Pi	Pi
229	585.5	587.5
230	275.7	276.7
231	467.4	435.8
232	620.5	590.0
233	616.9	649.7
234	465.8	501.3
235	225.8	205.9
236	258.0	240.6
237	262.3	256.0
238	259.6	257.2
239	254.8	255.1
240	198.2	199.4
241	199.2	183.5
242	37.9	36.6
243	95.3	94.2
244	150.2	149.1
245	151.1	149.4
246	218.2	199.7
247	204.1	183.9
248	160.4	149.2
249	160.0	175.7
250	141.2	129.8
251	101.6	92.6
252	610.1	612.3

Table XCIX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 700.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α								
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°
	R: 467 Pi	R: 468 Pi	R: 469 Pi	R: 470 Pi	R: 471 Pi	R: 472 Pi	R: 473 Pi	R: 474 Pi	R: 475 Pi
2	287.9	315.5	345.8	378.7	412.7	448.7	489.3	530.8	573.2
3	404.1	406.5	416.7	425.0	430.6	435.0	438.3	440.5	440.4
4	416.9	424.6	434.2	440.4	444.9	449.7	452.8	453.6	454.1
5	415.6	416.6	422.2	419.5	419.6	419.2	417.3	414.6	412.6
6	424.9	425.2	428.9	429.5	428.0	427.0	425.0	421.8	418.7
7	427.9	423.1	421.3	418.0	414.0	408.6	403.5	397.7	393.0
8	441.5	438.9	437.5	432.8	427.4	421.8	416.1	409.5	404.6
9	505.1	466.5	432.5	397.9	364.7	333.2	302.9	274.3	248.8
10	218.2	238.7	263.6	291.5	319.4	351.2	384.7	421.3	461.2
11	336.2	338.0	348.8	363.8	363.5	361.5	359.4	356.3	356.1
12	375.3	372.7	372.1	371.9	372.0	370.9	367.3	363.8	361.7
13	337.4	338.0	339.7	341.6	342.9	343.9	342.1	341.7	343.3
14	365.8	359.6	352.3	349.4	349.9	350.5	347.1	345.9	345.7
15	353.1	348.3	347.0	339.9	335.2	332.6	329.6	325.8	323.5
16	348.0	344.8	341.8	337.8	334.0	330.7	326.7	323.7	321.0
17	525.0	490.1	450.8	405.1	365.9	327.5	289.1	257.2	231.4
19	260.1	261.0	266.0	266.4	267.2	268.8	269.7	269.4	271.5
20	265.2	264.1	268.1	268.8	268.5	269.6	270.6	270.7	273.9
21	247.1	242.3	243.1	244.3	244.8	246.1	247.9	248.6	250.1
22	245.9	243.3	245.1	246.8	247.0	249.3	250.6	250.5	252.2
23	206.7	202.1	203.5	206.1	205.3	205.3	203.0	203.9	204.7
24	205.8	202.8	201.8	201.5	196.9	196.4	194.4	194.9	195.3
25	196.5	191.3	190.1	189.8	189.0	189.3	187.2	185.9	186.5
26	194.8	190.3	190.3	189.5	188.0	187.7	185.9	184.6	185.1
43	340.0	341.4	351.0	358.4	366.9	375.2	381.8	386.5	393.0
44	349.9	339.0	348.8	357.9	364.5	371.3	377.1	380.8	385.1
67	182.5	180.0	181.3	182.3	183.6	185.8	186.5	186.7	188.7
68	182.4	181.2	183.3	186.2	186.2	188.9	189.9	190.2	192.0
85	468.0	469.5	473.5	474.3	474.2	474.7	473.3	469.5	466.3
86	486.7	490.2	493.6	492.6	492.1	490.7	488.3	485.6	482.7
87	345.3	368.2	395.5	422.5	448.9	477.6	506.5	535.8	564.9
88	347.4	372.6	400.0	428.9	456.6	485.7	515.0	545.6	576.3
89	139.1	150.2	164.9	182.7	201.5	224.8	249.4	277.0	306.7
90	141.9	152.9	167.7	185.6	203.9	226.9	251.4	278.5	308.4
91	138.3	147.8	163.7	180.9	199.8	222.2	246.8	273.9	303.8
921	549.8	507.7	474.4	438.2	402.7	368.6	335.7	304.5	276.6

Table XCIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 700.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α								
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°
	R: 467 Pi	R: 468 Pi	R: 469 Pi	R: 470 Pi	R: 471 Pi	R: 472 Pi	R: 473 Pi	R: 474 Pi	R: 475 Pi
922	338.8	309.5	361.2	390.1	434.8	443.6	493.0	545.3	599.8
93	212.9	230.7	255.6	282.1	309.6	341.0	374.6	410.7	448.7
94	322.8	349.6	383.9	418.6	453.2	493.1	533.7	576.9	620.7
95	148.5	158.6	175.9	194.9	214.8	238.5	264.8	293.2	325.9
125	223.3	221.2	224.3	225.9	224.9	223.9	219.5	213.5	211.1
126	237.9	236.1	237.2	237.5	235.4	233.2	228.9	224.2	220.7
128	389.6	355.6	328.4	295.4	267.6	243.6	220.5	199.8	183.0
132	121.0	123.6	133.5	146.6	159.9	175.3	194.6	214.3	239.1
201	1166.4	1130.8	1093.8	1051.9	1039.6	995.4	946.3	896.1	844.0
202	1294.7	1266.2	1242.0	1221.2	1232.2	1218.2	1185.1	1147.4	1107.2
203	1334.4	1312.3	1306.9	1300.2	1331.8	1336.5	1318.1	1294.8	1266.7
204	1272.0	1268.4	1278.3	1291.3	1339.1	1364.2	1365.2	1360.3	1349.7
205	1110.9	1130.2	1159.1	1189.0	1251.0	1290.5	1310.5	1326.1	1335.0
206	910.2	957.7	1003.2	1045.6	1115.7	1162.3	1199.1	1230.0	1257.1
207	755.3	814.9	864.3	908.6	976.7	1021.3	1064.4	1104.3	1141.7
208	677.5	761.4	803.1	838.2	896.3	931.5	971.3	1010.8	1046.4
209	982.2	957.7	969.6	979.1	1014.1	1020.7	1023.8	1024.5	1022.5
210	1117.1	1081.6	1092.1	1102.0	1139.3	1150.9	1150.9	1147.9	1140.0
211	1230.2	1165.5	1178.0	1190.1	1232.5	1249.9	1249.5	1246.0	1238.0
212	1237.8	1168.7	1179.8	1191.4	1231.9	1251.7	1251.4	1246.0	1236.4
213	1139.8	1107.6	1117.9	1126.6	1163.4	1174.4	1174.2	1166.0	1155.7
214	992.9	970.9	977.2	979.6	1006.0	1005.4	1000.5	991.5	981.9
215	531.5	493.2	458.9	425.2	391.6	358.9	327.5	297.6	270.3
216	448.2	456.0	465.0	473.1	478.5	482.5	486.0	488.6	490.0
217	464.6	473.1	481.4	486.4	491.0	493.5	496.6	498.6	501.0
218	331.8	361.2	394.9	430.2	465.9	503.6	544.2	587.4	630.6
219	233.7	235.1	237.4	240.3	240.5	242.8	245.0	245.2	246.4
220	237.7	240.1	243.8	245.9	246.4	248.1	250.1	249.9	251.5
221	183.9	182.5	183.4	185.3	186.2	187.0	187.6	187.5	190.0
222	181.0	181.9	182.8	184.6	184.6	184.7	185.8	185.2	186.7
223	175.0	174.2	175.6	179.1	180.5	182.7	183.3	184.6	186.6
224	172.0	172.0	174.5	176.8	178.0	180.2	181.1	182.4	184.3
225	399.9	363.6	333.6	302.5	275.0	250.0	226.9	205.3	187.1
226	753.3	748.4	722.7	688.6	673.5	619.8	588.0	556.0	527.3
227	858.4	791.8	756.0	712.2	686.3	623.7	581.6	544.3	510.7
228	990.1	868.9	834.4	792.8	768.7	703.6	652.3	612.4	579.0

Table XCIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 700.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α								
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°
	R: 467	R: 468	R: 469	R: 470	R: 471	R: 472	R: 473	R: 474	R: 475
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	457.1	528.6	572.8	593.7	633.6	642.5	675.9	715.8	754.5
230	159.7	172.9	191.6	212.0	233.9	259.0	287.2	317.9	352.2
231	661.5	636.8	644.7	643.9	656.0	631.0	629.0	628.1	628.0
232	874.5	837.5	840.1	840.3	860.8	844.6	835.8	829.5	819.6
233	866.8	840.4	842.5	841.9	860.4	846.1	838.8	829.8	820.2
234	666.0	637.8	647.8	643.1	651.4	621.2	616.2	610.7	603.5
235	225.4	230.6	242.0	252.2	260.7	268.5	275.4	281.5	288.1
236	191.2	203.5	222.8	242.4	259.6	278.1	295.8	313.9	332.1
237	158.0	167.9	186.0	205.2	225.3	249.6	275.6	303.4	333.4
238	151.9	162.4	180.4	201.2	222.1	245.7	272.5	300.5	333.0
239	146.8	157.2	174.7	193.5	213.9	237.2	263.4	291.9	325.0
240	113.6	119.0	130.2	146.8	164.2	182.0	201.6	223.6	251.5
241	123.0	133.0	151.1	169.7	186.5	202.0	216.4	231.8	247.5
242	80.3	66.5	58.8	53.3	49.2	45.6	42.1	39.4	38.8
243	255.1	231.3	213.7	196.3	179.3	163.5	147.5	133.0	121.9
244	389.8	352.7	324.2	294.4	267.2	242.4	219.0	198.0	180.7
245	397.3	359.6	329.3	298.6	270.5	245.4	220.7	198.9	181.0
246	314.8	310.8	294.8	284.6	274.5	263.5	254.0	262.9	272.1
247	234.9	238.3	242.3	247.9	251.8	254.3	256.3	256.5	256.5
248	214.6	211.1	208.8	209.5	208.5	206.5	204.0	200.9	198.6
249	218.5	217.4	217.0	215.0	212.2	209.6	206.2	202.7	199.0
250	172.6	188.5	199.2	201.3	195.5	189.1	180.3	172.3	166.6
251	127.8	122.9	119.3	120.5	119.9	119.9	119.8	119.1	120.0
252	489.8	482.1	534.5	572.7	625.3	648.3	701.8	758.8	812.2

Table G: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 499	R: 500	R: 501	R: 502	R: 503	R: 504	R: 505	R: 506	R: 507	R: 508	R: 509	R: 510	R: 511	R: 512	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	207.5	227.0	248.4	272.4	296.4	322.0	350.8	382.5	412.7	442.9	471.5	504.4	535.8	567.3	
3	319.6	324.9	330.6	336.7	341.4	345.5	348.7	350.8	349.7	348.9	346.0	343.6	340.0	335.3	
4	276.9	283.3	287.6	291.9	294.7	297.4	298.3	299.9	300.6	300.0	298.1	296.4	292.6	289.6	
5	330.0	331.1	332.3	333.2	334.1	334.1	333.6	332.5	329.3	326.4	321.8	319.0	315.6	307.6	
6	281.8	284.9	283.8	284.4	283.3	282.5	279.9	279.3	277.0	274.2	270.9	267.8	262.4	258.2	
7	340.0	336.8	334.2	331.6	328.0	324.8	321.2	316.9	311.8	307.6	301.9	298.1	292.7	286.4	
8	293.0	292.5	289.2	285.5	282.6	278.5	274.3	270.9	267.6	263.7	260.6	256.0	250.7	247.5	
9	364.0	337.1	311.3	285.8	262.6	240.2	219.1	198.5	180.4	164.0	148.8	135.8	123.4	112.1	
10	158.6	174.5	192.0	212.2	232.2	254.4	278.5	306.1	333.0	362.3	391.5	422.6	453.9	486.3	
11	295.0	294.4	293.1	292.2	292.4	291.4	289.0	288.1	285.6	284.7	280.8	276.6	270.7	264.2	
12	247.8	249.2	248.0	246.4	246.2	244.4	241.4	240.5	238.7	237.1	234.5	230.0	223.7	221.2	
13	284.1	281.0	278.3	276.4	276.0	275.0	274.1	274.6	273.5	273.7	272.1	272.8	271.4	267.9	
14	240.1	239.3	235.8	231.6	231.1	230.2	228.4	228.0	228.3	228.1	227.6	226.1	224.7	221.8	
15	277.1	275.3	273.4	271.6	269.7	267.3	264.6	260.7	257.1	254.3	250.2	248.3	246.3	244.3	
16	227.6	227.2	225.0	223.0	220.6	218.0	215.5	214.0	212.6	211.7	209.3	208.5	207.1	206.4	
17	371.1	342.1	312.3	283.9	258.5	234.2	210.3	188.3	170.1	153.9	145.8	128.4	114.6	104.3	
19	210.6	216.1	218.0	218.1	218.1	216.9	216.6	220.1	220.2	220.2	220.1	221.8	222.9	222.0	
20	173.4	176.6	177.7	178.4	178.8	178.8	178.4	179.3	180.4	181.5	182.2	182.9	182.7	178.8	
21	196.0	196.0	196.6	196.6	198.9	199.6	201.4	202.9	203.5	203.7	201.4	200.6	199.7	199.4	
22	158.3	160.2	160.8	161.7	162.0	162.5	162.9	164.3	164.5	163.8	162.5	162.1	161.1	161.5	
23	164.8	164.5	164.9	166.4	166.9	167.2	166.4	167.4	166.9	166.7	167.1	169.3	170.3	170.0	
24	133.4	134.7	134.7	134.5	133.6	132.0	129.7	131.9	131.3	131.6	131.7	132.7	132.9	132.8	
25	157.3	156.7	155.5	155.9	155.3	154.7	153.9	154.2	153.4	153.5	152.6	153.0	153.3	153.0	
26	126.3	127.3	126.9	126.4	125.9	125.0	123.9	123.8	123.1	122.4	121.9	122.3	123.9	125.6	
43	268.4	271.9	277.8	285.5	293.3	299.5	305.7	311.4	313.9	316.8	317.3	320.0	320.2	315.7	
44	228.4	229.8	233.1	237.6	242.9	246.7	249.1	252.3	255.9	257.8	259.4	260.0	259.3	260.3	
67	145.0	146.9	148.3	149.7	151.2	152.3	153.8	156.9	157.7	159.2	160.2	162.1	162.5	160.5	
68	119.0	121.9	123.3	124.1	124.3	125.2	125.5	126.9	127.8	129.1	129.7	130.8	130.8	131.5	
85	368.4	369.2	370.9	373.1	373.9	375.1	374.2	372.2	367.2	364.2	358.2	353.0	345.7	336.5	
86	323.8	326.7	327.8	327.7	327.6	326.5	323.4	322.0	319.7	316.9	312.8	308.4	301.7	296.9	
87	262.6	281.3	300.5	322.1	342.0	363.5	384.4	408.2	427.5	449.1	467.6	488.8	508.7	526.3	
88	238.3	256.5	274.7	293.6	312.1	332.0	351.7	373.1	394.0	415.4	434.3	453.3	472.8	491.1	
89	103.8	115.0	126.2	139.2	153.6	168.6	186.6	206.8	228.1	250.9	274.1	299.6	326.5	351.5	
90	99.7	110.5	121.3	134.2	147.8	163.4	181.4	201.0	221.4	244.2	266.4	289.8	315.1	340.4	
91	99.6	110.5	121.2	134.6	148.4	163.9	181.5	202.5	223.7	246.0	269.2	294.8	321.1	347.7	
921	397.8	369.5	341.6	314.8	291.6	267.6	243.7	221.5	201.7	184.6	167.6	153.1	139.1	126.8	

Table C: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 499	R: 500	R: 501	R: 502	R: 503	R: 504	R: 505	R: 506	R: 507	R: 508	R: 509	R: 510	R: 511	R: 512	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	241.0	262.8	285.9	312.4	336.7	364.4	392.7	423.6	454.1	484.3	515.1	549.3	584.2	617.3	
93	154.3	170.4	186.7	206.1	226.2	248.7	272.5	299.6	326.2	355.3	383.3	414.5	445.8	475.6	
94	230.7	251.5	274.5	299.9	324.9	351.3	381.0	412.5	443.4	476.3	507.2	541.6	575.9	606.9	
95	108.0	119.5	130.9	145.2	160.1	176.0	195.3	217.5	238.6	263.1	286.3	313.1	341.1	368.6	
125	179.4	181.1	182.3	182.3	181.9	179.9	177.0	174.2	170.5	167.6	164.8	163.2	161.5	158.6	
126	151.9	153.6	153.9	154.0	153.4	151.4	148.6	146.5	143.7	141.4	139.0	137.8	136.4	136.3	
128	282.0	259.8	237.5	216.4	195.7	177.3	160.3	146.4	133.2	121.9	111.9	104.3	97.5	91.7	
132	87.6	93.6	100.8	109.0	118.1	128.9	142.4	158.4	174.3	192.2	211.7	232.7	255.9	278.7	
201	840.0	815.3	787.6	757.8	727.5	696.5	663.2	629.2	595.1	562.7	527.2	493.3	461.6	436.3	
202	932.5	918.9	903.3	884.6	865.9	843.9	819.3	793.2	766.0	737.7	708.7	680.1	649.3	620.2	
203	959.6	960.2	959.5	952.5	944.9	934.1	918.7	900.7	881.1	859.3	835.9	811.3	781.9	753.8	
204	914.8	929.2	942.3	951.8	957.2	960.6	961.7	958.0	951.7	943.4	931.4	917.0	901.6	881.9	
205	798.1	823.6	847.9	872.5	891.1	910.1	926.9	940.9	950.3	956.8	957.9	958.9	960.8	955.1	
206	654.8	686.8	719.1	752.2	780.4	809.3	836.9	862.7	884.9	904.8	917.8	933.4	945.9	951.9	
207	541.7	574.0	606.6	642.5	674.0	705.6	736.9	767.6	795.8	821.0	845.9	869.0	888.3	905.7	
208	483.0	511.5	540.8	572.1	599.9	630.3	661.0	693.8	722.2	752.3	779.3	806.2	831.5	853.0	
209	738.1	742.9	747.0	750.9	752.7	750.7	747.5	741.6	731.5	721.1	709.2	695.6	680.9	661.1	
210	826.8	835.8	844.4	851.5	853.6	855.4	855.1	848.6	840.1	830.1	817.9	805.1	788.3	768.8	
211	895.0	908.7	920.1	929.7	933.8	938.1	938.7	934.1	926.9	918.7	906.6	892.6	875.8	855.1	
212	876.4	889.0	900.8	909.9	913.7	916.4	918.7	915.0	909.4	901.7	890.4	877.1	861.6	842.4	
213	795.3	805.8	813.7	819.1	819.8	821.8	820.3	816.3	810.4	802.5	792.0	779.5	762.2	746.0	
214	682.4	690.0	694.2	696.4	695.6	694.8	690.1	686.5	680.7	671.9	662.3	650.2	636.3	620.5	
215	385.4	359.1	331.2	305.9	283.7	260.2	237.1	215.9	197.0	180.1	163.5	148.9	135.0	123.0	
216	353.1	357.9	363.7	370.1	375.4	379.7	383.0	384.1	384.0	382.4	381.4	380.2	376.9	371.9	
217	308.6	315.1	319.1	322.9	326.1	328.1	329.6	331.0	332.4	332.5	330.9	328.8	324.1	321.7	
218	240.9	262.2	285.0	311.8	336.7	364.0	393.2	424.6	454.4	486.1	515.8	547.6	581.7	614.7	
219	186.3	188.7	191.9	193.2	195.3	196.3	197.9	199.7	200.1	201.4	200.5	200.9	200.2	200.7	
220	153.8	157.5	159.4	160.3	161.3	161.3	162.2	162.0	164.0	164.1	164.5	163.9	163.0	162.5	
221	146.4	147.1	147.6	148.8	150.3	150.9	152.2	153.2	154.1	154.2	153.6	155.5	158.2	159.4	
222	119.7	121.4	121.7	122.7	123.3	122.7	123.3	124.0	124.5	125.5	125.1	126.1	127.9	129.0	
223	139.2	141.3	141.7	143.8	146.0	147.2	149.4	150.6	150.9	152.6	153.9	156.4	157.1	156.7	
224	113.5	116.5	117.6	118.5	121.0	120.6	121.3	122.0	123.2	123.3	123.8	124.5	126.7	119.2	
225	289.9	267.5	244.4	222.6	204.7	185.8	168.3	152.9	139.6	127.7	115.8	107.6	99.5	92.3	
226	542.5	512.9	482.1	452.6	424.7	396.0	366.8	337.1	309.8	284.8	259.9	238.0	215.9	197.8	
227	617.8	585.6	551.5	514.0	480.5	449.4	416.7	385.6	357.7	330.8	304.3	280.3	256.2	233.9	
228	712.8	679.9	644.7	607.3	571.3	531.1	488.1	451.4	419.5	389.8	361.5	335.2	310.6	288.4	

Table C: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 499	R: 500	R: 501	R: 502	R: 503	R: 504	R: 505	R: 506	R: 507	R: 508	R: 509	R: 510	R: 511	R: 512
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	327.1	352.5	379.4	410.3	439.1	471.7	503.5	539.3	571.3	603.2	634.2	666.1	697.1	724.8
230	117.6	129.7	142.4	158.2	174.6	192.7	213.2	236.8	260.2	285.7	310.3	336.8	365.9	392.6
231	511.3	509.4	506.9	505.4	502.7	499.7	495.2	490.0	484.3	478.2	469.1	460.5	450.3	437.8
232	662.8	663.7	665.7	665.8	664.8	661.9	657.1	648.8	639.2	628.3	616.1	604.8	589.5	571.7
233	588.5	593.6	593.7	593.9	591.2	586.9	580.4	573.9	566.6	558.0	547.5	536.4	522.8	509.7
234	448.4	448.7	446.1	443.7	439.6	434.1	428.0	421.1	415.9	409.1	401.2	393.5	383.3	374.6
235	178.9	186.4	193.6	202.5	209.9	216.2	223.5	228.9	232.8	237.8	240.4	245.3	247.2	245.0
236	146.1	160.2	173.0	187.9	202.5	216.8	231.7	247.6	260.8	275.4	288.9	299.5	311.7	326.7
237	117.6	128.9	141.6	157.3	172.0	188.2	207.4	229.3	253.9	279.4	300.2	326.1	352.7	378.2
238	110.9	123.4	136.0	151.4	167.9	184.7	204.9	227.5	249.1	273.8	295.5	322.1	350.3	378.9
239	107.9	119.7	131.7	146.0	160.7	177.4	196.3	217.9	239.4	263.7	286.6	313.8	342.0	370.3
240	80.5	88.6	95.7	105.8	116.8	131.0	147.4	166.1	185.1	204.7	224.8	249.1	273.3	296.1
241	88.6	103.9	115.8	131.0	143.6	157.1	169.9	184.0	195.4	208.4	219.8	232.5	247.2	258.7
242	64.5	57.6	50.9	46.0	42.6	39.0	36.3	34.9	33.6	32.6	31.2	31.2	31.0	29.6
243	182.1	168.5	155.9	144.6	132.7	120.9	109.2	98.7	88.5	80.6	73.1	68.2	62.0	57.3
244	283.4	257.7	234.5	213.3	195.6	177.8	160.6	146.3	132.9	121.5	111.6	103.8	96.3	89.1
245	286.3	263.0	238.2	216.5	198.0	179.0	161.7	146.9	133.2	121.7	110.8	102.6	95.5	88.8
246	246.4	242.0	235.6	226.2	217.4	208.7	205.9	213.8	215.2	217.1	220.0	220.4	220.4	218.4
247	186.5	190.2	193.8	198.4	202.6	204.5	206.6	208.7	207.3	208.4	206.0	203.1	196.2	185.5
248	172.3	170.8	169.7	168.9	167.9	166.0	164.4	162.4	159.8	157.6	155.4	155.6	155.2	152.1
249	140.4	141.0	140.5	139.0	138.3	135.9	134.4	132.8	130.5	128.8	127.5	128.1	125.3	123.3
250	153.3	160.9	160.5	156.7	152.0	148.1	143.8	140.3	134.7	129.3	121.8	115.6	108.4	102.5
251	100.1	98.2	96.4	97.2	97.9	98.0	98.1	98.5	98.8	99.9	100.4	102.3	103.9	104.2
252	350.8	376.7	403.8	432.9	459.9	489.7	524.0	561.1	594.9	629.2	659.4	693.2	723.6	751.6

Table C1: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 514	R: 515	R: 516	R: 517	R: 518	R: 519	R: 520	R: 521	R: 522	R: 523	R: 524	R: 525	R: 526	R: 527	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	205.0	225.1	246.7	270.3	294.5	320.8	348.9	378.3	409.1	439.1	471.0	503.0	534.0	563.4	
3	293.7	298.2	304.9	308.6	313.1	314.9	318.0	320.2	321.5	321.4	318.8	315.6	312.6	309.1	
4	302.0	307.3	313.7	318.0	321.0	323.9	326.1	327.5	328.5	327.7	326.1	322.8	318.9	313.8	
5	302.8	302.9	304.8	306.2	305.6	305.3	304.4	303.3	302.7	300.8	297.0	293.8	288.3	283.5	
6	308.2	309.5	310.2	311.0	310.3	301.6	307.1	306.2	303.5	300.4	296.2	291.1	286.2	279.7	
7	312.0	308.4	306.6	303.7	301.6	297.2	294.3	290.2	287.9	282.9	278.8	273.6	268.5	264.8	
8	319.5	318.1	315.8	311.7	307.6	304.1	300.4	297.7	294.1	289.5	283.0	278.5	274.1	268.0	
9	360.9	334.3	310.2	285.5	262.3	240.6	219.3	198.8	181.9	163.3	147.5	134.0	121.9	111.9	
10	157.1	173.4	191.4	210.7	230.9	253.6	277.7	304.2	332.3	359.2	391.7	419.6	450.4	481.1	
11	267.9	267.5	266.6	264.9	264.8	262.8	261.5	259.8	260.4	259.0	257.8	253.6	248.9	245.4	
12	271.3	273.0	273.3	272.4	271.9	270.3	267.9	265.0	263.2	259.5	255.6	251.2	247.3	245.0	
13	257.9	254.8	251.7	249.8	250.0	249.5	248.9	248.7	248.8	250.1	249.1	248.6	249.1	249.2	
14	263.4	262.9	261.0	257.0	255.8	254.5	253.1	252.2	251.2	249.2	248.4	246.4	245.2	243.7	
15	251.7	249.7	249.4	247.2	245.2	242.8	240.4	236.6	234.8	231.8	229.6	227.6	226.3	226.0	
16	250.3	249.4	248.8	246.3	243.7	241.4	239.2	237.1	234.3	230.8	228.9	226.3	225.6	226.6	
17	368.5	337.8	310.7	282.9	258.1	232.3	207.5	186.8	168.6	154.4	144.3	123.8	112.4	104.3	
19	188.9	194.6	198.2	195.9	195.9	196.8	197.6	197.4	199.6	199.5	200.6	201.2	201.9	202.7	
20	191.6	194.1	196.4	197.4	197.1	198.6	198.4	198.9	200.0	200.4	202.1	199.9	197.2	195.3	
21	178.1	176.7	178.5	178.4	179.3	180.3	181.4	182.3	183.3	182.1	181.6	180.5	179.7	180.7	
22	177.8	177.6	179.5	179.8	180.8	182.0	182.9	183.0	183.8	183.4	182.4	181.1	180.5	180.7	
23	147.9	146.9	148.8	150.4	150.7	150.8	148.8	149.6	150.0	149.9	150.8	153.2	152.9	154.0	
24	147.2	147.2	148.1	148.1	146.5	146.6	143.1	143.6	143.7	142.9	143.9	145.8	146.9	147.6	
25	140.0	138.7	140.1	139.7	140.1	139.3	137.9	137.6	139.5	137.1	137.6	137.3	137.6	140.5	
26	139.3	139.7	140.4	139.7	139.3	138.9	137.0	136.3	136.9	135.4	135.4	134.8	135.9	139.0	
43	244.2	247.6	254.9	261.8	268.9	268.0	279.2	283.7	287.8	291.3	291.2	291.2	290.3	291.3	
44	250.0	252.7	255.8	262.1	266.9	271.9	276.0	279.2	281.3	281.2	283.1	282.6	284.6	286.1	
67	129.6	130.5	133.3	134.9	136.4	137.3	138.2	139.2	141.3	142.4	144.0	144.6	143.4	144.4	
68	130.2	132.8	135.7	137.0	137.9	139.4	139.9	140.6	142.2	143.1	143.9	145.1	145.0	146.6	
85	338.5	339.6	339.9	340.1	341.2	340.6	339.5	336.4	335.3	333.2	328.8	325.8	317.4	310.1	
86	350.8	351.6	353.9	354.7	354.4	353.1	351.7	349.1	347.0	344.9	339.5	334.6	328.6	321.4	
87	249.5	266.1	282.4	301.9	321.8	341.4	362.3	382.8	403.8	422.7	444.5	466.2	484.4	502.5	
88	249.4	267.0	287.0	307.0	326.7	347.3	369.2	390.8	411.3	431.7	453.1	473.7	492.1	509.7	
89	100.3	109.3	121.4	134.1	148.6	164.6	182.5	201.6	222.7	245.1	268.6	295.8	320.9	345.9	
90	103.0	111.6	123.9	136.9	151.4	167.0	184.0	203.3	224.3	246.0	271.2	297.0	321.6	346.6	
91	100.7	110.6	122.6	135.3	149.2	163.9	181.5	199.8	221.8	244.8	269.1	294.9	320.3	347.0	
921	395.1	368.6	342.7	315.3	290.6	267.2	244.1	222.2	203.2	184.4	167.5	151.2	137.5	126.6	

Table CI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 514	R: 515	R: 516	R: 517	R: 518	R: 519	R: 520	R: 521	R: 522	R: 523	R: 524	R: 525	R: 526	R: 527	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	240.1	261.4	285.0	309.6	334.9	362.0	390.8	421.0	450.8	481.6	512.7	548.8	582.6	614.4	
93	152.9	168.3	186.7	205.0	226.1	247.8	271.8	297.5	325.1	352.9	382.1	412.3	441.9	472.3	
94	230.8	251.8	275.0	299.8	325.1	353.0	381.5	412.2	444.0	475.7	509.1	543.7	576.9	607.5	
95	107.4	117.8	131.0	144.5	159.5	176.6	195.6	216.0	240.3	262.8	286.4	313.0	341.0	367.9	
125	161.1	161.7	165.2	165.6	165.8	163.6	160.8	157.1	154.9	151.6	150.0	147.5	144.5	144.4	
126	171.3	173.1	174.3	173.7	172.8	171.2	167.7	164.0	161.6	157.4	154.5	151.7	149.7	149.2	
128	279.3	256.1	236.6	216.3	195.5	177.5	161.4	146.2	134.2	123.0	113.7	105.6	98.1	93.7	
132	88.4	93.1	101.4	110.0	121.2	130.8	143.3	158.4	175.9	192.1	210.1	229.9	253.1	279.1	
201	837.2	812.6	785.2	756.2	726.3	695.3	661.7	628.8	595.4	561.1	525.7	489.8	459.2	433.2	
202	930.4	917.4	902.0	884.4	865.2	843.4	819.5	792.5	765.5	737.3	707.0	676.4	647.2	618.9	
203	959.5	960.2	957.9	952.4	943.4	931.9	918.5	901.2	881.5	858.1	835.3	808.0	781.0	752.7	
204	914.6	930.0	942.0	950.4	957.0	959.5	959.9	958.2	952.2	942.8	931.0	917.5	898.6	878.7	
205	798.1	824.7	849.6	872.8	892.7	910.0	926.9	940.3	949.6	956.2	958.5	959.8	955.2	951.6	
206	653.6	686.6	719.9	751.4	781.0	809.1	837.0	861.8	883.8	903.8	919.4	933.5	942.8	949.3	
207	539.8	573.6	607.7	642.0	674.2	705.1	737.0	766.7	794.9	821.9	845.4	867.1	885.7	901.7	
208	482.7	511.6	540.9	570.7	601.4	630.6	660.8	692.2	721.8	750.6	778.7	805.0	827.8	848.7	
209	703.7	708.4	713.0	714.8	716.0	715.1	711.9	705.5	699.0	689.1	677.6	665.2	647.7	632.3	
210	800.7	808.5	815.7	821.5	824.7	825.3	824.3	819.4	813.3	805.4	793.2	781.4	762.9	745.6	
211	881.7	894.3	904.0	912.4	917.8	919.2	920.3	917.5	913.2	904.0	892.9	879.8	861.5	843.2	
212	889.8	903.2	914.4	922.4	926.9	929.7	930.6	927.6	921.4	913.4	900.9	887.8	870.5	851.4	
213	817.3	828.9	836.8	840.4	844.0	844.0	842.7	838.3	832.9	823.1	813.0	799.6	784.2	765.3	
214	712.3	719.7	724.5	727.4	726.9	725.9	722.2	717.5	709.3	700.4	690.2	677.3	664.0	648.0	
215	381.4	355.8	331.1	306.0	281.9	258.6	236.7	215.8	196.8	178.1	161.8	146.4	133.2	122.4	
216	327.0	330.3	335.7	338.4	343.0	345.9	349.1	349.4	350.3	350.7	351.7	350.8	347.8	344.3	
217	334.3	340.5	345.6	349.6	351.8	355.5	357.4	359.1	360.0	358.7	357.9	356.6	353.6	347.9	
218	237.3	258.9	282.0	305.9	331.5	359.7	388.5	418.0	448.9	478.7	510.6	544.0	576.7	607.8	
219	169.8	171.6	173.5	174.4	175.3	177.2	178.6	179.2	180.2	179.7	180.8	181.8	181.5	181.8	
220	171.5	174.8	177.3	178.7	179.5	179.9	181.5	181.9	183.2	183.0	183.6	183.6	183.9	183.9	
221	132.8	132.4	134.3	135.2	135.8	136.0	137.2	137.9	139.3	139.7	140.9	141.7	142.3	143.6	
222	131.5	132.6	134.3	134.7	135.2	135.0	135.6	135.9	137.2	137.4	138.4	138.6	140.5	142.0	
223	125.2	126.5	129.3	131.2	132.7	134.2	135.0	135.9	137.6	138.4	139.2	140.0	139.1	141.6	
224	124.5	126.6	129.3	130.7	132.7	133.6	134.1	134.8	135.8	136.1	137.0	137.9	138.5	142.3	
225	290.0	266.7	244.6	223.1	203.8	185.1	167.8	152.2	139.2	127.2	116.9	107.4	99.4	93.5	
226	541.2	510.5	481.3	452.1	423.8	395.9	366.3	337.4	310.2	284.5	260.0	237.7	216.5	197.8	
227	616.4	584.4	549.7	513.9	480.2	448.2	416.5	387.5	358.3	330.8	304.0	279.2	256.1	235.0	
228	710.4	678.3	643.5	608.7	570.6	530.2	488.8	452.2	419.2	388.9	359.8	333.4	310.3	288.6	

Table C1: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 514	R 515	R 516	R 517	R 518	R 519	R 520	R 521	R 522	R 523	R 524	R 525	R 526	R 527
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	324.6	350.7	378.6	407.7	438.4	470.3	502.6	535.6	568.6	601.0	633.4	663.7	693.6	722.1
230	116.4	127.9	141.3	155.8	172.2	190.0	210.5	231.5	255.7	281.1	307.9	337.2	364.7	390.2
231	473.3	472.1	471.6	470.2	468.3	465.5	460.5	456.1	449.9	443.4	435.5	426.6	416.9	406.4
232	626.4	628.3	630.6	630.2	629.6	625.4	621.0	613.7	605.8	596.2	583.7	570.7	555.2	539.3
233	621.5	625.6	625.8	626.0	623.5	619.5	613.2	607.7	598.3	588.5	576.8	564.8	553.6	538.4
234	477.3	478.0	476.7	474.7	470.1	466.1	460.7	454.4	446.9	439.1	430.1	420.1	411.7	400.8
235	163.0	169.2	178.2	185.2	191.4	197.5	202.2	206.3	211.2	213.8	217.3	219.7	218.2	214.1
236	138.4	150.9	164.5	177.1	190.1	202.7	215.2	227.9	241.3	252.2	261.7	276.5	292.0	308.0
237	114.0	125.2	138.4	152.1	167.5	182.3	201.3	222.1	244.0	266.8	291.1	315.8	341.5	366.5
238	109.1	120.5	134.1	148.2	163.5	180.0	198.8	219.4	242.3	264.9	290.6	316.4	343.4	370.2
239	107.0	117.2	130.0	143.2	158.7	175.5	193.9	214.5	238.0	261.9	286.2	312.3	339.6	367.2
240	82.3	90.9	101.5	111.2	122.1	134.4	148.6	164.6	183.2	202.9	224.2	247.1	270.7	295.4
241	88.6	99.3	112.6	124.7	136.2	146.6	157.2	168.4	179.1	191.2	202.3	214.3	228.5	242.0
242	59.2	52.0	47.3	42.4	39.9	37.7	35.8	34.0	33.6	32.3	31.6	30.6	29.9	30.8
243	182.9	168.8	156.4	143.9	131.6	119.5	108.1	97.7	89.8	81.1	74.2	68.3	62.6	59.0
244	282.2	256.3	234.5	213.6	195.2	177.0	159.8	145.2	132.9	121.1	111.4	103.1	96.0	91.3
245	285.6	260.6	238.9	217.0	197.6	179.0	161.7	146.8	134.1	121.7	111.5	102.3	94.6	89.6
246	223.6	219.3	215.8	208.3	201.8	194.7	186.8	193.1	196.2	198.0	199.7	199.6	199.0	199.6
247	168.9	172.0	176.1	179.9	183.6	185.3	187.3	187.0	187.3	185.4	183.1	178.0	170.9	163.7
248	154.6	153.2	152.3	151.4	151.1	149.5	148.4	145.8	144.7	142.3	142.1	141.3	139.3	137.6
249	157.6	157.2	156.5	154.4	152.8	150.7	149.4	146.5	143.8	141.6	140.5	141.4	139.5	136.9
250	125.9	138.3	146.7	146.6	143.6	138.4	132.5	126.8	122.6	116.5	110.6	104.7	97.6	93.3
251	92.8	90.6	89.6	89.1	90.0	89.0	89.0	88.6	89.7	89.7	90.7	92.3	92.9	95.5
252	349.8	375.3	402.9	430.4	459.8	490.2	524.0	559.4	593.1	627.6	660.6	691.3	721.1	747.4

Table III: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 529 Pi	R: 530 Pi	R: 531 Pi	R: 532 Pi	R: 533 Pi	R: 534 Pi	R: 535 Pi	R: 536 Pi	R: 537 Pi	R: 538 Pi	R: 539 Pi	R: 540 Pi	R: 541 Pi	R: 542 Pi
2	206.8	226.4	247.9	271.3	295.8	322.4	350.1	379.7	409.3	439.2	470.6	501.7	533.9	564.5
3	268.9	274.2	279.6	282.5	286.6	289.5	290.6	292.8	292.7	291.4	289.0	287.1	284.2	280.4
4	326.3	333.7	340.5	345.1	349.8	353.7	356.5	356.8	357.7	356.7	354.5	352.1	348.5	345.3
5	276.7	277.0	278.3	278.9	278.7	279.5	277.3	277.7	275.8	272.9	269.8	266.3	261.3	256.1
6	334.6	337.1	338.1	338.1	337.8	337.1	335.7	333.0	329.6	326.5	322.6	318.9	312.9	308.4
7	285.0	282.0	280.1	277.6	273.9	270.8	268.0	263.9	261.6	257.2	253.4	248.8	244.2	240.5
8	347.5	345.9	342.9	339.5	336.1	331.7	327.9	322.5	317.8	313.7	308.6	303.4	298.5	294.2
9	361.6	334.0	308.6	283.8	261.0	238.5	216.9	196.5	179.5	163.0	148.0	134.5	121.8	111.2
10	158.0	174.1	191.7	211.2	231.6	254.9	279.2	304.5	332.1	360.7	390.1	419.1	451.5	482.6
11	244.5	242.7	241.5	239.5	239.1	237.5	236.6	235.2	235.1	233.4	231.5	228.5	224.0	217.8
12	296.7	298.5	298.6	298.1	298.2	296.7	294.7	290.6	288.5	285.3	281.3	277.9	274.3	271.7
13	234.3	230.7	227.9	225.8	225.9	225.9	225.0	225.0	226.2	225.9	225.2	224.9	224.2	222.6
14	289.7	288.7	286.3	282.8	281.7	280.4	278.8	276.6	276.3	274.8	273.9	272.4	269.4	266.5
15	229.6	226.9	225.7	224.1	222.2	220.6	217.4	214.6	212.5	210.0	208.0	206.7	204.4	202.1
16	274.5	272.8	271.1	268.8	266.7	263.8	261.2	258.1	256.3	253.8	252.3	249.9	248.8	248.7
17	368.8	340.3	311.1	283.9	257.0	230.7	207.8	185.7	168.8	152.9	143.5	126.7	112.4	102.6
19	167.9	173.0	176.8	176.9	176.7	178.0	178.2	178.6	179.5	179.2	179.9	180.7	181.3	181.0
20	211.4	214.2	216.2	216.3	216.4	217.5	217.9	218.2	219.3	220.6	222.4	221.4	219.9	217.8
21	160.7	159.3	160.6	161.9	162.5	164.4	164.9	165.6	164.9	162.8	161.9	160.9	160.5	161.1
22	195.8	195.3	196.7	196.9	197.4	199.1	200.7	200.7	203.2	203.1	203.0	202.6	201.5	202.5
23	134.1	133.8	135.2	136.8	136.2	136.3	134.4	135.9	135.9	135.4	135.8	136.1	135.6	134.9
24	164.2	164.6	164.6	164.9	162.6	163.2	159.7	160.3	160.7	159.8	160.9	162.4	163.5	164.9
25	127.0	125.5	126.3	125.9	125.8	126.4	124.7	124.4	124.4	123.3	122.7	123.1	123.6	124.8
26	158.1	157.8	156.9	156.2	155.2	155.1	154.3	153.1	153.3	152.8	153.0	152.8	152.6	154.6
43	223.2	226.6	233.3	239.6	244.8	250.7	254.7	258.1	262.1	263.3	263.3	264.0	262.7	262.3
44	275.7	278.9	281.2	287.2	292.5	298.0	303.6	307.2	309.9	312.0	313.3	313.8	314.5	315.6
67	117.9	119.0	121.0	122.2	123.1	124.3	125.1	125.4	127.2	127.4	128.1	128.1	127.8	128.2
68	147.5	149.3	151.4	153.5	154.3	156.0	157.5	157.5	159.6	160.8	163.1	164.9	165.0	166.3
85	312.3	312.2	313.6	314.0	314.6	314.1	313.3	311.0	308.0	304.9	300.4	295.3	289.2	280.8
86	379.4	383.2	385.2	386.1	386.7	385.7	384.9	381.2	377.8	374.6	370.1	363.8	357.7	351.7
87	236.9	252.5	269.9	288.2	306.7	326.5	345.9	365.8	386.0	404.3	421.8	441.4	459.1	475.1
88	261.3	281.7	302.4	323.9	345.0	367.2	390.5	411.8	433.9	455.1	476.0	496.7	516.7	537.3
89	99.1	109.3	121.2	133.8	146.9	163.4	180.2	199.5	218.3	239.5	262.6	288.2	313.7	337.7
90	103.7	114.6	126.3	138.2	152.2	169.3	187.1	207.3	227.7	249.0	273.9	300.8	328.0	353.8
91	98.7	108.7	120.4	133.2	146.6	163.3	180.6	200.2	221.7	243.9	267.7	294.3	320.6	347.1
921	395.0	366.9	340.8	315.0	290.4	265.9	242.1	220.8	201.8	183.1	166.6	151.7	137.8	126.0

Table CII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 529	R 530	R 531	R 532	R 533	R 534	R 535	R 536	R 537	R 538	R 539	R 540	R 541	R 542
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	239.8	261.3	284.7	309.2	335.0	363.5	392.1	421.2	451.3	481.6	514.4	549.1	584.4	617.2
93	153.7	169.3	187.1	205.7	225.5	248.9	272.5	298.1	325.4	353.7	382.3	412.5	444.0	474.4
94	233.4	255.0	277.9	302.1	328.1	356.7	385.8	416.3	446.9	478.6	511.7	546.8	579.5	612.0
95	107.7	118.5	130.8	144.2	159.1	176.8	195.0	215.1	236.8	260.0	285.4	313.7	341.8	369.6
125	144.3	142.4	146.3	148.2	147.5	146.1	144.1	141.8	138.8	135.5	134.2	133.1	130.5	127.9
126	192.1	193.5	193.4	192.1	189.7	187.0	183.7	180.5	178.0	174.3	171.7	169.4	168.0	167.9
128	277.9	255.4	235.2	214.4	192.6	175.3	158.3	144.6	133.0	121.3	111.9	104.3	97.4	92.2
132	87.9	93.6	100.7	109.5	118.8	130.8	143.7	159.6	176.9	191.3	208.7	232.3	257.5	281.4
201	834.4	808.1	780.6	751.2	721.1	689.4	655.7	623.5	590.9	557.7	523.8	489.0	458.3	431.9
202	926.7	913.3	896.5	878.2	858.1	836.6	812.3	786.4	760.5	733.2	705.1	677.1	648.4	618.6
203	955.3	955.3	951.7	946.1	937.8	926.4	911.2	894.5	876.5	855.1	832.4	809.1	781.0	753.5
204	909.8	923.9	935.4	944.2	951.7	954.6	954.2	951.1	946.1	939.1	927.9	913.5	899.1	879.6
205	795.3	819.9	844.3	868.6	889.4	907.1	922.2	934.2	943.9	950.6	955.2	955.9	956.4	952.0
206	651.3	684.9	716.1	747.4	778.5	806.3	832.7	857.4	878.4	897.8	915.0	931.1	943.6	950.1
207	540.5	573.7	607.2	641.1	672.9	705.7	735.4	764.5	791.7	818.6	841.9	864.0	888.1	902.7
208	482.3	510.6	540.3	570.7	599.4	630.3	659.6	690.9	721.0	748.2	775.9	802.5	829.9	850.3
209	670.0	674.1	679.5	681.3	681.3	681.4	676.7	671.9	665.4	655.8	643.0	630.9	616.1	599.3
210	773.4	781.0	789.0	793.1	797.0	796.0	793.5	789.8	784.2	777.1	766.3	752.2	736.0	717.9
211	865.6	875.3	885.7	892.5	898.5	901.2	899.4	897.1	892.8	886.2	876.3	863.0	847.1	828.6
212	900.1	913.2	925.3	933.0	938.8	942.5	941.8	939.1	933.1	924.8	912.6	897.3	881.7	866.6
213	842.1	852.6	862.0	868.2	871.1	873.2	870.3	865.5	858.7	850.3	838.5	822.6	804.8	792.2
214	748.3	757.1	761.5	764.7	765.2	764.5	759.7	752.9	745.5	736.9	724.5	710.2	694.1	679.9
215	380.1	353.9	328.4	303.4	280.3	256.4	233.7	212.8	194.1	176.3	160.3	145.7	132.9	121.3
216	300.6	304.5	308.5	313.2	317.1	320.0	321.7	322.5	323.7	323.3	322.4	321.6	318.4	313.7
217	362.2	369.9	376.1	379.8	384.9	387.6	390.0	390.6	390.5	390.6	388.8	385.8	383.1	380.4
218	235.7	257.1	279.8	303.1	329.4	357.2	386.3	415.4	445.5	475.6	507.8	541.6	574.3	605.2
219	153.2	155.0	157.6	159.0	159.0	160.4	161.5	161.3	160.9	160.9	161.1	161.1	160.1	160.3
220	188.4	191.0	193.8	195.8	197.3	198.1	200.1	200.6	201.8	202.5	204.0	205.3	205.5	206.1
221	121.3	122.2	122.8	124.4	124.3	124.8	125.5	126.3	126.5	125.5	125.9	127.2	129.3	128.8
222	146.3	147.5	148.9	149.5	149.8	149.9	150.5	151.1	151.7	151.9	153.0	154.0	156.9	160.7
223	115.0	117.1	119.0	119.8	120.9	122.2	123.1	123.9	124.2	124.5	125.1	124.7	125.3	118.0
224	139.2	139.9	141.9	143.0	145.0	146.8	148.3	149.0	149.8	151.1	154.1	156.3	158.0	159.9
225	288.7	265.9	242.5	221.1	201.4	183.4	165.9	150.7	137.6	125.2	114.9	105.9	98.2	91.6
226	542.0	511.0	481.2	452.1	424.1	394.6	364.7	335.8	310.2	284.9	261.0	237.8	215.9	197.7
227	616.5	583.6	550.2	513.7	480.6	447.9	416.1	386.5	358.5	332.1	306.2	281.1	256.4	235.2
228	709.6	677.7	642.8	605.5	569.5	528.2	487.1	450.1	418.3	388.7	361.3	335.4	310.8	289.2

Table CIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 529 Pi	R: 530 Pi	R: 531 Pi	R: 532 Pi	R: 533 Pi	R: 534 Pi	R: 535 Pi	R: 536 Pi	R: 537 Pi	R: 538 Pi	R: 539 Pi	R: 540 Pi	R: 541 Pi	R: 542 Pi
229	325.1	351.2	378.8	408.2	438.2	469.9	502.7	536.1	568.1	600.1	631.8	662.2	695.2	723.7
230	116.9	128.7	142.6	157.6	173.8	193.1	213.2	235.2	257.9	281.0	306.3	332.6	361.3	389.4
231	442.8	441.7	440.3	438.8	436.8	433.4	427.9	422.7	418.0	411.3	404.5	396.5	386.9	377.1
232	591.7	592.8	595.2	595.5	594.3	591.0	584.4	579.5	571.5	561.4	549.0	537.4	523.9	507.8
233	658.5	663.3	664.7	664.8	662.0	657.8	652.3	644.3	635.1	626.0	614.5	601.3	586.3	572.4
234	512.9	513.9	512.4	510.2	506.5	501.8	496.3	489.2	482.0	474.1	465.6	455.5	445.2	434.7
235	150.2	156.8	163.8	168.5	172.7	178.4	181.5	185.6	188.5	191.8	192.8	192.3	183.6	187.9
236	132.1	143.1	153.9	165.1	175.3	187.9	199.0	210.8	220.3	228.4	241.0	257.3	273.1	286.7
237	111.5	122.9	135.1	148.5	162.8	180.5	199.1	219.1	238.6	259.1	280.5	303.2	326.5	349.6
238	109.7	121.0	133.0	146.5	160.9	178.2	196.3	216.6	237.3	259.1	283.4	309.2	335.2	364.0
239	107.1	117.8	129.7	143.5	157.5	174.9	193.5	213.6	234.9	257.3	282.3	309.2	337.8	366.5
240	86.2	92.8	101.4	111.3	121.2	134.8	148.6	164.6	182.3	200.8	221.2	244.1	265.2	283.5
241	88.8	98.8	109.8	120.2	129.1	138.5	147.0	156.4	165.1	175.0	184.2	195.8	210.1	220.5
242	64.9	57.7	51.6	46.5	41.8	38.1	35.1	33.7	32.3	30.7	29.9	29.8	29.3	29.0
243	181.8	168.0	156.0	143.6	131.1	120.1	108.8	97.7	88.0	79.0	73.2	67.5	61.5	56.6
244	281.7	255.4	232.8	212.3	192.8	175.1	158.7	144.4	131.3	120.2	110.7	102.8	95.1	89.9
245	283.5	259.2	236.9	215.5	196.0	177.5	160.6	145.6	132.5	120.5	110.2	101.8	93.8	88.4
246	203.0	200.2	197.2	190.5	185.0	177.8	171.1	174.0	176.1	177.4	179.0	179.8	178.7	177.7
247	154.3	157.0	161.0	164.9	166.2	167.7	167.7	167.6	166.1	163.6	159.1	152.9	145.0	135.8
248	138.5	137.7	137.6	137.7	137.1	135.9	133.8	132.0	130.7	127.4	126.2	125.6	124.6	121.7
249	175.5	175.1	173.7	172.4	171.0	168.6	167.0	163.7	160.9	158.8	156.9	158.1	157.4	154.6
250	96.7	115.6	127.9	135.1	134.8	132.9	126.7	119.9	114.1	107.4	101.6	95.5	88.3	82.1
251	83.6	83.0	82.0	81.7	80.6	79.7	79.9	79.4	79.3	78.4	78.8	79.9	81.2	81.7
252	349.5	375.2	401.6	430.7	459.9	491.0	524.8	559.4	593.4	626.8	658.6	689.4	722.0	749.4

Table III: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 544	R 545	R 546	R 547	R 548	R 549	R 550	R 551	R 552	R 553	R 554	R 555	R 556	R 557
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	212.2	228.7	250.1	273.9	298.1	323.9	351.7	380.1	409.5	439.0	470.1	502.4	534.8	562.8
3	228.5	229.9	234.7	237.8	241.3	242.6	244.0	243.4	243.3	241.7	240.3	238.3	234.5	231.7
4	386.0	396.4	403.2	409.6	413.2	417.6	421.8	423.5	425.3	425.9	424.7	421.8	418.7	414.1
5	233.1	230.9	232.4	232.5	233.5	232.9	232.5	230.3	229.7	227.2	223.9	220.2	215.7	209.8
6	395.9	401.8	403.2	403.3	401.8	401.0	400.5	397.6	395.0	391.3	387.2	382.6	376.6	371.3
7	239.0	234.8	233.2	231.0	229.3	226.9	223.8	220.3	217.7	213.7	210.9	207.3	203.3	200.8
8	409.3	411.9	408.5	405.2	400.0	396.3	392.4	386.1	380.9	374.9	369.7	363.8	357.8	352.7
9	356.4	333.4	309.1	284.3	261.0	238.9	218.4	199.0	180.9	164.5	149.2	135.1	122.1	112.4
10	163.3	176.4	194.5	214.1	235.3	257.6	281.6	307.5	335.1	362.2	389.7	419.9	449.3	479.0
11	203.1	200.2	198.3	196.2	195.7	193.7	192.9	192.0	191.7	190.9	189.4	186.1	181.8	177.1
12	354.7	359.3	359.7	360.0	359.3	360.5	357.8	355.0	351.8	348.0	341.4	337.6	336.5	335.7
13	193.4	189.3	187.6	186.5	186.6	185.7	185.3	184.9	185.6	185.4	185.3	185.0	184.3	183.1
14	347.4	349.5	346.9	345.0	342.9	342.1	340.3	338.0	337.4	336.4	333.7	330.3	325.6	323.5
15	191.0	187.5	186.7	185.4	184.1	181.6	178.9	177.2	175.0	173.7	171.9	170.3	169.0	168.3
16	329.0	330.6	328.2	325.8	322.2	319.7	317.3	314.4	312.4	309.8	307.7	306.0	303.8	303.1
17	351.2	327.4	301.2	275.4	251.9	229.6	208.5	188.2	168.6	151.4	136.6	123.6	111.4	102.6
19	140.5	143.8	147.2	148.5	148.4	148.2	148.6	147.6	148.5	149.2	149.4	149.2	147.2	145.6
20	257.2	261.3	262.3	263.5	263.5	264.5	265.9	265.9	266.6	267.5	268.7	270.0	268.9	267.2
21	132.7	131.3	131.5	132.5	133.8	134.1	134.7	133.7	132.7	131.8	131.5	129.7	128.4	129.3
22	236.0	239.3	239.7	241.4	241.1	243.2	245.3	245.8	248.3	248.3	247.9	247.1	245.2	245.3
23	109.6	108.7	110.0	111.4	111.6	110.4	109.2	109.3	108.8	108.7	108.9	107.1	106.3	105.9
24	197.7	199.0	198.2	199.0	196.8	196.3	194.1	193.7	191.9	191.2	192.9	195.5	198.1	201.0
25	105.8	104.4	105.4	105.5	105.4	104.9	104.5	103.3	102.5	100.6	99.6	98.0	97.3	98.1
26	192.0	191.7	190.5	189.5	187.3	186.3	185.8	184.7	185.6	187.8	188.9	190.1	190.6	193.0
43	187.6	189.3	194.4	199.6	204.0	207.9	210.9	212.2	214.9	215.8	215.6	215.7	214.2	214.3
44	332.9	340.6	343.3	350.9	358.0	366.3	374.7	379.9	384.2	387.6	390.0	391.3	390.7	392.2
67	99.6	99.8	101.4	102.6	103.1	103.4	104.5	103.5	103.3	103.1	102.3	100.9	98.7	96.5
68	178.8	181.4	182.5	184.5	184.8	185.8	190.7	191.9	194.7	196.5	199.0	204.0	206.8	209.7
85	265.8	263.8	265.7	266.1	266.6	265.2	263.7	261.2	259.1	256.2	251.7	245.4	239.2	232.8
86	445.1	450.9	453.0	454.3	453.5	454.1	453.0	451.3	448.9	444.0	439.8	433.2	426.4	420.0
87	216.6	226.5	241.9	258.6	274.8	290.8	307.6	325.7	344.9	361.7	379.6	396.9	412.4	424.0
88	294.6	314.0	336.4	360.3	383.1	407.5	432.2	456.7	480.6	503.1	527.2	549.7	571.9	591.8
89	100.3	108.1	118.5	130.7	143.7	157.8	173.4	191.6	210.8	230.9	253.4	277.3	302.1	327.1
90	107.1	117.6	130.7	145.4	160.8	178.5	197.6	216.7	237.5	260.9	284.5	310.5	337.3	363.6
91	101.5	110.3	121.8	134.9	149.1	165.0	182.3	201.5	222.3	245.1	269.0	294.8	321.7	348.2
921	390.5	366.8	339.7	314.4	289.3	266.8	244.0	222.4	203.0	185.0	168.5	153.2	137.9	126.6

Table CIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 544	R 545	R 546	R 547	R 548	R 549	R 550	R 551	R 552	R 553	R 554	R 555	R 556	R 557
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	244.5	263.2	286.0	311.0	337.1	364.7	394.3	423.4	452.6	483.8	516.9	550.6	586.8	616.7
93	158.6	172.0	189.3	208.6	229.7	251.8	276.4	301.2	327.5	354.3	382.3	411.9	441.5	471.6
94	242.6	261.0	284.2	309.0	335.9	363.4	393.0	423.2	455.8	487.9	521.5	554.9	587.9	618.5
95	110.3	119.9	132.3	147.0	162.3	179.6	199.5	220.3	243.7	266.3	291.4	317.0	345.7	372.4
125	118.6	115.9	116.6	120.0	121.8	120.6	120.0	117.5	116.1	112.8	109.9	107.3	103.6	101.9
126	235.1	237.2	235.6	233.7	229.5	226.3	223.3	218.8	215.5	211.7	209.1	205.8	203.4	203.1
128	268.6	249.9	229.0	209.8	190.7	173.0	158.8	145.6	132.9	129.5	128.6	113.1	113.5	95.9
132	85.5	90.7	98.1	107.7	117.7	129.8	143.3	158.4	175.9	193.5	212.4	233.5	256.2	278.4
201	824.1	799.8	773.0	744.2	713.3	683.1	650.8	618.1	585.0	551.5	516.4	480.7	452.0	426.1
202	916.1	903.2	889.2	870.9	851.3	831.2	806.8	781.7	756.3	727.9	699.9	669.4	638.9	612.1
203	948.5	946.8	944.7	940.0	932.1	920.9	906.1	890.5	870.8	849.6	826.0	798.5	771.4	743.6
204	906.4	917.3	928.2	938.3	945.4	949.1	947.1	944.9	939.7	930.6	919.5	904.4	887.5	868.4
205	794.9	815.1	840.7	863.2	884.6	901.9	916.0	928.3	937.8	944.7	948.7	947.8	945.3	940.7
206	652.1	679.3	712.0	744.0	774.5	801.1	826.7	850.7	873.0	892.4	909.0	921.0	932.7	939.7
207	543.8	571.7	605.2	638.5	672.0	702.6	731.5	761.0	788.5	814.9	837.4	858.9	878.3	895.9
208	485.4	509.3	538.0	568.0	598.1	627.4	657.3	687.0	716.6	744.8	771.8	797.7	823.4	845.1
209	606.6	607.9	610.9	613.7	614.5	613.1	609.3	605.6	598.6	591.2	580.3	568.1	554.9	539.5
210	717.4	721.8	729.4	733.3	736.4	738.2	736.2	733.7	727.8	719.7	708.6	696.2	683.2	666.7
211	831.2	839.9	848.3	856.8	863.6	866.0	865.4	862.1	857.7	850.2	838.4	824.8	809.8	794.6
212	924.3	936.2	946.8	954.8	961.0	963.3	962.9	960.3	954.0	945.7	934.5	919.2	902.0	881.2
213	888.9	899.4	907.5	912.5	916.1	918.0	915.5	911.1	904.1	895.2	883.6	868.5	852.2	834.7
214	812.7	822.1	825.8	829.2	828.3	827.9	823.8	817.3	810.0	799.7	788.0	773.3	759.9	741.8
215	374.5	351.6	325.4	300.3	276.5	254.1	232.5	212.3	193.5	176.5	160.8	145.7	131.6	121.1
216	257.1	258.1	262.3	265.8	268.6	271.5	272.0	273.3	274.2	273.8	272.8	269.7	265.6	261.4
217	425.2	436.0	442.1	448.4	452.4	456.7	460.9	461.1	461.3	460.0	459.0	456.0	453.1	450.0
218	237.6	254.5	277.0	301.1	327.1	354.3	381.6	409.7	439.2	470.4	502.0	534.3	567.9	597.0
219	127.9	128.1	129.6	129.9	131.1	131.2	130.8	131.3	130.7	130.0	129.8	128.7	127.4	125.7
220	227.5	232.4	235.4	238.2	240.5	242.5	244.0	246.7	246.8	247.2	249.0	249.7	249.6	251.4
221	99.6	99.5	100.9	101.9	102.4	102.7	102.7	102.3	101.0	100.0	99.9	99.6	99.4	100.0
222	178.7	181.4	180.7	182.0	182.4	183.9	185.4	187.2	188.3	190.2	191.8	193.0	194.6	199.1
223	95.7	96.7	97.7	98.4	99.4	99.3	98.6	97.9	96.5	95.9	95.6	88.6	75.2	62.7
224	170.0	171.8	173.5	176.5	178.7	181.0	183.6	185.7	187.5	189.8	191.5	194.7	198.0	202.3
225	283.5	263.5	240.7	219.4	199.1	180.6	164.3	149.0	135.4	123.8	113.1	103.4	94.4	87.8
226	533.9	507.7	478.5	449.8	420.6	392.7	364.0	336.2	310.5	285.8	262.7	240.8	219.5	201.1
227	608.1	579.3	545.8	510.6	478.5	447.2	418.3	389.5	361.9	334.8	308.7	284.3	260.7	240.3
228	699.8	671.2	637.3	599.9	563.3	523.6	484.4	450.4	419.2	391.4	363.7	338.4	312.7	290.8

Table GIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 544	R: 545	R: 546	R: 547	R: 548	R: 549	R: 550	R: 551	R: 552	R: 553	R: 554	R: 555	R: 556	R: 557
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	329.2	351.8	379.9	409.3	440.3	471.0	502.7	535.5	568.4	599.6	629.5	661.0	693.1	721.7
230	118.7	129.0	142.3	158.3	174.4	192.7	213.3	235.4	258.3	283.0	308.6	335.9	364.4	391.3
231	386.8	383.5	384.2	382.5	380.3	376.7	372.5	366.8	361.2	354.2	346.8	339.0	332.6	323.2
232	526.7	525.3	527.1	526.5	527.2	524.4	519.5	514.1	507.5	499.1	489.5	477.8	463.6	450.0
233	726.7	732.8	733.3	733.5	730.7	727.3	721.4	714.4	705.5	694.6	683.0	670.5	656.7	642.4
234	583.8	587.6	586.5	584.1	580.0	576.9	571.4	564.9	556.7	547.9	538.7	528.2	516.0	506.0
235	128.2	131.5	136.1	140.9	145.3	147.0	149.4	151.2	151.6	149.8	140.5	144.9	150.7	156.1
236	121.8	127.6	136.8	145.7	154.6	162.1	168.2	176.2	188.9	202.5	216.4	227.1	237.4	243.2
237	109.6	117.9	129.1	141.7	154.9	169.8	186.6	203.1	221.3	240.4	261.5	283.6	305.7	330.0
238	109.1	117.5	128.7	141.7	155.6	172.0	190.4	209.5	229.9	251.0	274.2	298.8	324.6	350.8
239	108.4	117.3	129.5	143.6	158.5	175.9	194.5	214.9	236.5	258.9	282.5	309.4	336.3	363.8
240	80.9	87.2	95.6	105.6	115.7	128.0	142.0	157.3	175.7	193.9	212.7	235.3	257.9	279.7
241	88.0	93.9	100.9	107.3	113.3	118.5	124.8	128.1	134.3	144.2	153.0	163.1	174.0	183.6
242	67.1	61.3	56.2	51.2	46.1	42.3	39.0	35.7	32.8	30.7	28.0	27.3	25.5	26.3
243	179.8	167.7	156.1	144.2	130.7	117.8	106.1	95.8	86.7	78.6	72.3	65.4	59.0	53.9
244	270.9	251.2	229.1	209.1	189.5	172.9	157.5	143.1	130.3	119.1	108.9	99.4	91.2	85.8
245	274.3	254.0	232.4	212.0	192.4	174.9	159.3	144.4	131.3	120.2	109.8	100.5	92.3	86.0
246	167.4	164.2	162.4	158.1	156.1	149.0	145.5	142.9	144.5	145.3	148.1	149.2	147.7	146.3
247	129.4	130.1	133.0	134.8	135.6	136.1	134.4	133.2	130.7	124.6	118.3	110.7	95.1	85.4
248	111.2	110.5	111.3	110.8	111.4	110.9	109.6	108.5	106.5	103.6	102.3	101.1	99.2	98.2
249	213.2	214.4	211.6	208.7	206.2	204.2	201.8	198.2	195.2	192.5	190.9	192.4	192.5	189.4
250	65.8	67.0	80.9	96.0	107.4	112.4	113.4	111.7	104.9	96.0	87.3	81.4	74.5	68.2
251	71.8	72.2	72.8	72.0	69.7	68.4	67.3	66.4	65.5	64.5	64.2	64.2	64.8	66.8
252	353.9	375.0	401.7	431.6	462.3	493.4	525.6	560.2	593.1	625.4	657.1	688.4	718.8	747.4

Table CIV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 559	R 560	R 561	R 562	R 563	R 564	R 565	R 566	R 567	R 568	R 569	R 570	R 571
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	356.3	355.8	353.0	351.3	350.5	350.0	349.9	349.6	348.8	350.4	352.8	352.1	352.1
3	411.9	381.0	362.4	347.9	332.5	323.9	316.7	311.3	303.3	291.0	278.5	265.3	243.4
4	248.8	272.4	285.2	299.0	312.5	320.6	326.2	333.5	340.8	356.0	372.0	388.5	421.2
5	397.2	365.5	346.8	332.8	317.7	309.0	301.7	296.0	288.9	277.1	264.5	252.9	231.4
6	233.1	255.3	267.1	279.9	293.2	300.5	306.8	313.1	320.1	335.5	350.7	367.5	399.9
7	382.3	351.1	334.1	320.4	305.0	297.4	291.3	285.6	278.0	266.8	255.2	243.3	223.6
8	228.1	249.7	261.3	274.2	286.6	294.3	299.6	306.7	312.5	327.5	342.5	359.1	391.5
9	217.9	218.9	219.0	218.4	218.2	218.0	217.9	217.3	216.8	215.5	217.5	217.8	218.4
10	284.0	282.7	281.1	278.1	278.0	277.5	278.2	277.5	277.6	277.9	279.5	280.7	281.4
11	353.4	319.6	303.8	288.4	271.8	268.6	261.1	253.0	247.6	235.6	224.9	214.0	193.0
12	196.7	217.2	229.9	241.5	254.7	259.1	267.4	273.9	279.6	293.4	309.2	324.4	357.7
13	335.3	303.1	288.8	273.9	258.7	255.4	248.7	241.6	236.8	225.0	214.8	205.1	186.0
14	186.4	206.1	218.1	228.7	240.8	245.2	252.9	259.5	264.7	278.2	293.3	307.4	339.8
15	320.2	291.2	277.9	263.7	249.3	246.5	239.6	233.7	227.6	217.0	208.1	198.6	179.5
16	177.2	194.6	206.0	215.7	227.1	232.3	238.5	244.9	249.0	261.0	275.1	287.2	316.9
17	210.2	211.8	209.7	209.5	208.3	207.2	206.8	205.5	206.4	206.2	207.5	209.8	208.3
19	265.6	239.9	227.5	214.6	207.4	202.1	197.5	192.3	186.9	177.8	170.3	162.1	148.7
20	149.3	162.6	170.3	179.5	188.7	193.4	198.7	202.0	207.4	217.0	228.1	239.5	265.4
21	245.1	220.6	211.7	200.2	190.7	186.1	181.2	176.9	172.0	164.3	156.9	148.6	134.6
22	135.3	149.0	155.5	163.5	172.9	178.3	182.6	187.3	191.8	199.8	211.0	220.7	244.7
23	202.1	184.6	173.4	165.2	156.7	153.5	148.7	144.6	140.6	133.8	127.2	122.0	108.8
24	105.6	119.1	123.0	129.9	135.8	138.5	143.6	147.9	151.2	158.8	166.7	175.2	193.5
25	185.6	171.1	161.1	153.2	145.0	142.1	138.4	134.0	131.5	124.3	120.6	113.1	104.6
26	104.9	113.4	119.4	124.2	131.2	133.1	137.2	140.3	144.7	153.2	162.2	170.1	185.1
43	367.7	335.6	321.0	305.7	290.3	283.7	279.5	271.3	266.5	254.0	243.9	232.0	210.8
44	204.3	224.7	238.2	249.3	261.3	267.4	275.8	280.9	288.1	302.8	320.4	337.1	373.7
67	186.0	171.0	161.5	153.5	145.9	142.4	138.6	134.1	132.2	124.5	120.3	112.8	104.1
68	106.1	115.8	121.9	126.5	134.5	135.6	140.3	143.5	147.5	156.3	165.2	173.9	190.0
85	440.8	407.3	388.3	374.4	356.5	349.5	338.8	334.5	326.1	312.8	300.2	287.0	263.7
86	270.1	295.9	308.4	323.4	338.4	345.5	351.4	359.3	367.1	383.9	401.0	418.4	452.6
87	429.1	408.1	395.8	385.7	373.8	368.5	363.0	360.7	354.8	346.0	335.5	326.4	308.5
88	314.4	334.8	343.4	352.6	362.2	364.7	369.5	374.4	380.2	390.2	400.7	411.7	432.3
89	196.1	191.3	188.8	186.6	184.9	183.2	182.6	181.2	180.2	180.0	178.3	177.2	173.2
90	175.1	178.4	179.6	181.0	182.6	182.7	184.6	185.6	186.6	186.9	188.2	190.0	197.6
91	183.6	182.6	182.2	181.5	181.1	181.4	181.9	181.6	180.9	179.7	181.2	181.4	182.4
921	242.0	243.5	243.6	242.6	242.3	242.5	243.2	242.6	242.0	242.1	243.1	243.2	243.6

Table CIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 559	R 560	R 561	R 562	R 563	R 564	R 565	R 566	R 567	R 568	R 569	R 570	R 571	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	395.3	394.3	394.2	394.2	392.6	392.1	392.8	391.4	391.7	392.8	393.3	393.2	393.5	
93	277.1	275.9	274.0	271.1	271.4	270.8	271.4	271.2	271.1	271.4	273.2	273.6	275.3	
94	377.2	380.1	380.5	381.7	381.6	382.5	383.4	382.9	384.1	386.1	388.6	389.9	393.0	
95	195.5	194.9	195.5	195.5	195.4	195.2	195.5	194.7	194.4	194.8	196.1	197.6	199.1	
125	215.4	193.5	184.7	176.6	167.4	163.0	160.4	154.9	150.7	143.6	137.8	132.4	119.9	
126	124.5	139.3	143.4	149.1	156.8	162.5	167.3	170.8	175.5	183.0	193.3	201.8	222.3	
128	157.1	159.5	158.5	158.8	159.3	160.1	160.3	159.4	159.5	157.6	156.6	156.3	157.4	
132	141.8	142.9	142.9	142.8	142.9	143.0	144.1	145.8	144.9	143.4	142.9	142.6	142.7	
201	658.3	662.5	661.7	662.7	660.6	659.6	659.5	659.5	658.7	656.8	657.0	653.4	650.7	
202	813.3	818.3	819.0	818.0	816.6	816.5	817.2	816.1	815.4	812.6	813.8	810.7	806.9	
203	909.9	915.5	917.2	917.4	915.1	914.5	915.8	915.7	915.1	911.4	913.3	910.1	907.4	
204	954.5	959.1	960.1	960.8	957.1	956.5	957.4	956.9	957.1	953.1	957.2	954.1	948.8	
205	920.9	925.5	927.5	927.1	925.1	924.1	925.4	925.3	925.5	921.4	925.7	922.6	916.7	
206	833.5	837.4	839.1	837.4	836.0	835.3	837.4	835.7	836.3	833.3	834.6	833.1	827.9	
207	733.9	737.3	738.5	738.0	736.9	736.4	738.1	736.7	737.5	735.0	736.8	737.7	732.2	
208	659.8	662.1	663.8	662.7	661.6	662.1	662.6	662.4	661.6	660.7	661.9	661.9	658.2	
209	811.0	782.7	765.4	746.1	728.4	720.3	710.9	700.9	691.2	676.5	659.1	643.2	610.7	
210	900.4	879.6	868.8	853.2	835.4	829.8	822.3	815.9	807.8	793.7	780.1	766.6	736.7	
211	959.1	949.9	944.4	937.4	925.7	922.2	919.0	914.7	909.4	899.3	895.0	884.9	865.5	
212	882.1	900.9	910.9	917.6	921.6	924.4	927.7	932.5	936.9	941.5	950.5	954.1	963.0	
213	763.4	793.3	807.0	818.6	829.8	835.8	841.7	850.5	856.5	870.8	883.7	893.1	915.5	
214	619.8	657.1	673.2	690.6	706.3	714.0	721.1	732.5	740.8	758.8	775.9	792.4	823.8	
215	238.6	239.2	237.8	236.7	235.8	235.6	235.3	235.0	234.1	233.5	233.7	233.5	232.4	
216	449.4	415.8	398.3	383.1	365.1	357.9	348.4	343.1	335.5	321.5	308.8	295.2	271.9	
217	276.0	302.7	314.7	329.2	343.9	351.9	357.6	365.8	373.0	390.2	406.5	424.4	459.4	
218	401.8	398.2	395.6	394.0	391.7	390.2	389.5	388.0	387.2	386.6	386.6	384.4	381.5	
219	240.4	217.2	207.7	196.3	186.5	183.1	178.5	174.0	169.1	161.3	153.9	145.6	131.0	
220	133.5	147.3	154.8	163.1	171.2	176.6	181.4	186.5	191.0	199.1	210.0	219.5	243.8	
221	185.4	168.4	159.4	151.7	144.5	140.3	137.7	133.7	130.0	124.9	118.9	112.2	102.8	
222	100.9	111.0	117.1	123.7	128.7	133.0	134.9	138.8	143.5	150.1	159.3	167.6	185.3	
223	182.9	166.2	157.8	149.4	141.8	137.8	135.4	130.8	127.4	122.4	115.1	109.6	99.1	
224	98.1	108.4	114.8	121.6	125.8	130.2	134.7	136.5	140.9	147.6	157.2	165.8	183.1	
225	164.8	167.0	166.7	167.8	167.4	167.2	166.7	166.7	165.9	165.5	166.2	165.7	164.1	
226	359.4	363.7	364.5	365.1	364.3	365.3	365.5	364.2	364.6	364.6	364.3	364.5	363.7	
227	412.2	415.9	416.0	415.5	415.1	415.0	415.5	415.0	415.4	415.9	416.9	417.8	418.1	
228	484.6	487.2	487.5	486.6	486.0	486.3	486.6	486.0	485.5	486.3	487.5	485.6	484.1	

Table CIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 559	R 560	R 561	R 562	R 563	R 564	R 565	R 566	R 567	R 568	R 569	R 570	R 571
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	504.4	505.1	506.0	506.1	505.2	504.4	504.9	504.3	503.6	503.1	504.4	504.8	503.0
230	213.4	214.2	213.9	212.8	212.0	211.0	210.6	211.0	211.3	212.2	212.6	212.5	213.1
231	571.2	534.7	514.9	495.0	478.3	469.3	460.3	450.3	442.8	428.2	415.0	399.4	372.2
232	725.9	693.5	675.9	656.4	638.8	629.4	620.0	610.2	599.5	585.1	567.6	551.7	520.1
233	507.0	544.4	562.5	580.7	596.6	605.1	614.1	622.8	633.8	652.0	669.7	687.8	722.3
234	366.0	396.5	412.9	428.2	444.4	452.4	459.5	469.1	478.6	496.0	516.0	534.9	571.1
235	267.9	244.7	231.9	222.3	213.3	206.3	201.9	197.0	192.0	180.6	172.1	164.0	149.6
236	265.6	247.9	239.4	231.9	222.6	219.4	215.5	211.5	207.0	198.6	190.7	183.9	168.6
237	223.7	216.7	211.8	206.7	203.8	202.6	202.8	201.5	200.7	198.5	195.0	191.3	186.2
238	212.9	209.8	207.7	205.0	201.6	200.7	199.7	198.1	197.2	196.1	194.8	193.1	190.4
239	199.1	197.7	197.2	196.4	194.8	194.3	194.3	193.0	192.9	193.0	193.4	194.0	194.5
240	144.6	143.1	143.1	147.9	148.6	148.7	149.3	149.1	149.1	147.9	148.1	146.6	142.0
241	190.9	180.6	174.7	170.9	163.0	161.4	158.5	156.7	152.8	146.8	144.1	135.1	124.2
242	39.6	39.4	36.8	35.7	35.6	35.9	36.3	35.6	35.2	34.4	36.0	37.0	39.1
243	105.0	107.4	107.0	108.4	107.8	107.8	107.8	108.0	108.7	108.0	107.0	106.5	105.8
244	157.2	158.4	158.6	159.6	160.0	160.0	159.8	159.1	158.9	158.3	158.3	157.8	157.4
245	158.5	161.0	161.1	160.9	160.8	161.2	161.9	160.3	160.3	160.0	160.8	159.7	159.0
246	268.1	236.7	220.1	205.8	197.2	191.4	187.5	182.0	177.7	169.9	162.9	156.0	144.7
247	252.6	227.7	215.0	206.3	196.5	190.6	186.4	180.9	176.6	167.3	158.2	149.7	134.6
248	197.9	180.8	172.1	163.3	155.8	151.8	147.7	145.0	140.4	133.5	128.1	123.5	109.9
249	110.1	123.9	128.9	134.6	140.6	145.1	148.5	154.3	157.9	166.0	174.1	182.8	201.1
250	172.1	158.1	151.3	143.3	137.4	134.6	132.1	129.4	127.5	126.6	122.7	119.1	113.1
251	120.6	110.0	103.9	98.2	92.7	90.6	88.9	87.0	84.9	79.0	75.3	72.7	67.1
252	523.2	524.6	526.2	526.9	525.5	525.7	526.2	525.5	525.3	525.2	527.2	527.4	525.8

Table CV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 573 Pi	R: 574 Pi	R: 575 Pi	R: 576 Pi
2	411.0	408.2	409.9	412.3
3	348.6	318.2	293.5	266.4
4	300.3	326.4	356.8	391.2
5	327.9	299.6	275.9	250.6
6	276.5	301.8	329.7	362.2
7	311.6	284.4	261.4	237.7
8	268.1	291.5	317.6	349.2
9	180.5	179.7	178.8	179.4
10	330.7	330.2	331.2	333.5
11	285.4	259.5	235.4	213.2
12	238.4	262.5	287.3	317.8
13	272.7	248.8	226.4	205.7
14	227.9	250.8	274.9	304.1
15	256.6	233.8	212.8	194.4
16	212.4	233.7	254.9	281.5
17	168.6	167.0	167.6	169.9
19	217.9	197.8	179.6	164.0
20	181.2	199.4	218.1	240.2
21	201.2	181.8	165.1	148.0
22	164.8	182.8	201.9	222.9
23	165.8	149.1	135.9	123.8
24	131.1	143.1	159.4	174.8
25	152.8	137.3	124.6	112.2
26	123.6	136.2	151.8	169.8
43	312.8	286.8	262.4	236.7
44	255.4	281.0	308.6	344.8
67	156.5	140.7	127.5	114.2
68	128.3	141.8	158.5	176.6
85	367.4	334.0	309.2	282.9
86	319.0	346.0	376.9	412.6
87	427.0	402.5	387.4	365.3
88	393.3	411.1	433.5	458.8
89	226.2	222.3	218.4	215.5
90	221.0	223.5	227.8	231.1
91	222.2	221.0	220.5	221.8
921	201.5	202.0	200.9	202.2

Table CV: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R 573 Pi	R 574 Pi	R 575 Pi	R 576 Pi
922	453.6	451.6	452.4	454.4
93	323.9	323.5	324.1	327.0
94	442.4	443.2	448.4	454.1
95	237.2	237.9	236.8	241.8
125	169.8	154.2	139.5	127.8
126	144.0	160.9	176.7	194.3
128	133.0	133.5	132.7	129.9
132	174.0	176.5	176.9	175.6
201	596.0	594.4	591.0	588.1
202	766.5	765.0	760.7	758.3
203	880.8	880.0	876.2	874.2
204	951.7	950.3	945.4	944.9
205	949.7	948.8	943.9	943.7
206	883.9	882.9	878.0	879.3
207	794.8	795.5	791.9	794.7
208	723.3	722.3	720.4	721.6
209	731.0	697.3	665.1	631.2
210	839.1	812.4	783.9	757.2
211	925.9	911.3	891.5	876.5
212	908.4	919.6	932.5	945.3
213	810.0	830.7	857.7	882.6
214	680.8	708.5	744.0	778.0
215	196.8	196.5	194.1	193.9
216	383.3	350.1	325.4	298.0
217	332.9	359.3	390.5	425.5
218	453.9	448.8	446.1	444.6
219	197.7	180.4	161.9	145.4
220	164.2	182.4	201.4	220.7
221	153.7	138.8	126.9	111.5
222	125.3	135.7	151.8	169.4
223	150.9	137.3	124.6	109.3
224	122.9	136.1	149.5	168.5
225	138.7	138.4	137.1	136.5
226	310.0	309.3	310.1	308.9
227	357.5	357.6	358.6	360.3
228	419.3	419.1	418.1	418.8

Table CV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R 573 Pi	R 574 Pi	R 575 Pi	R 576 Pi
229	571.7	569.7	568.7	570.6
230	258.3	254.9	256.9	258.4
231	482.4	449.7	418.6	389.6
232	638.5	604.4	571.7	539.5
233	567.3	598.0	634.6	671.0
234	416.0	446.1	480.6	520.1
235	231.9	210.3	188.9	169.4
236	259.6	239.6	221.1	201.4
237	251.5	243.0	238.8	229.9
238	247.6	240.8	237.8	234.6
239	238.7	236.5	234.8	236.9
240	184.3	182.9	182.4	181.7
241	195.4	179.0	166.1	151.0
242	33.3	33.1	32.4	31.9
243	88.4	88.7	87.5	88.6
244	131.8	132.1	131.3	130.9
245	132.6	133.1	132.4	132.0
246	214.1	195.3	176.6	158.2
247	206.6	187.6	166.0	147.5
248	159.0	144.2	130.8	119.9
249	131.2	143.3	160.1	175.8
250	134.4	122.6	114.5	104.8
251	99.4	89.9	79.2	71.6
252	595.4	594.7	593.1	596.5

Table CVI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf, Side Probes

Office ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 493	R 477	R 479	R 481	R 483	R 484	R 485	R 486	R 487	R 489	R 491	R 492	R 494	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	230.4	230.6	229.4	228.1	228.3	227.3	226.6	227.0	227.0	228.2	230.0	230.0	229.0	
3	386.2	355.6	341.5	326.2	310.2	306.1	299.6	292.7	286.7	275.4	262.9	257.6	230.6	
4	236.3	257.6	271.3	283.8	295.3	302.2	308.9	314.5	321.1	333.7	348.5	355.4	396.4	
5	394.3	361.9	347.9	331.6	315.1	310.9	303.3	296.2	290.9	278.3	264.7	260.1	231.6	
6	235.3	256.7	270.9	283.9	296.5	303.0	310.2	314.6	322.2	335.9	352.1	359.0	400.8	
7	401.6	368.6	353.4	337.4	320.8	315.2	309.8	301.1	294.8	283.0	269.2	264.4	235.2	
8	241.8	264.4	277.7	292.6	304.8	311.9	318.9	323.2	330.6	344.6	361.3	368.7	410.8	
9	334.4	338.7	338.1	336.7	336.2	335.5	334.7	334.9	335.5	335.3	334.7	334.8	334.0	
10	177.8	176.9	176.0	175.3	174.7	174.8	174.4	174.7	174.9	175.3	175.7	176.5	177.4	
11	359.2	327.1	310.9	295.6	283.4	277.2	268.9	262.6	257.2	243.9	232.4	225.9	200.1	
12	203.8	224.2	236.6	248.7	261.8	267.5	273.9	280.7	286.7	298.3	312.3	320.7	358.1	
13	346.8	314.0	298.1	281.3	270.7	263.4	256.3	249.3	244.2	230.8	220.0	214.6	190.0	
14	193.9	213.9	226.3	238.4	251.3	258.3	262.9	270.8	276.4	288.8	302.3	310.3	348.9	
15	335.5	304.2	290.5	275.8	265.2	257.6	250.3	245.0	240.0	227.4	217.6	211.5	188.1	
16	185.1	204.1	215.4	226.4	238.6	244.8	249.3	256.8	262.5	272.6	285.7	293.8	330.0	
17	331.5	338.8	341.6	341.0	339.8	339.0	339.7	340.5	340.3	341.4	337.7	337.2	328.0	
19	264.4	238.9	225.2	216.3	204.6	199.9	195.1	188.6	183.9	173.9	166.6	160.7	145.3	
20	148.0	159.4	167.3	176.1	185.4	189.8	194.8	199.9	204.4	214.7	224.0	229.6	260.0	
21	240.6	214.6	205.9	195.9	185.8	180.8	176.0	172.4	167.4	160.1	152.9	148.6	132.2	
22	132.9	145.5	151.8	159.8	168.0	173.5	177.4	182.5	187.8	196.6	207.8	213.0	238.6	
23	200.1	181.7	172.9	164.4	156.2	152.1	146.7	144.7	141.2	134.4	128.2	126.4	109.7	
24	110.4	123.4	127.0	134.2	139.8	143.3	146.3	152.1	157.7	165.0	173.1	176.9	199.2	
25	192.3	172.8	163.5	156.4	146.4	144.1	138.9	135.4	133.2	126.4	123.2	118.2	105.2	
26	106.5	115.7	122.1	126.7	133.5	135.0	138.8	144.5	148.7	157.9	166.4	171.0	193.5	
43	333.6	300.9	286.6	272.7	262.2	255.9	248.8	243.6	238.3	227.6	218.0	211.7	189.1	
44	187.4	206.4	217.6	229.1	241.3	247.4	252.5	261.1	266.2	278.9	293.3	301.4	340.5	
67	179.7	161.6	153.0	146.9	138.3	135.5	130.6	127.0	125.3	119.6	116.2	112.0	100.5	
68	102.2	110.6	116.2	121.5	127.3	128.5	131.8	137.0	140.5	149.4	157.6	162.0	181.7	
85	437.0	404.3	386.2	370.6	354.2	346.1	342.6	333.7	326.9	313.7	300.0	294.5	264.3	
86	270.7	299.1	312.2	326.7	339.8	347.6	354.4	359.5	367.3	382.0	397.6	407.6	450.0	
87	316.4	299.0	291.3	282.5	274.3	269.9	268.9	263.9	259.9	253.9	247.0	244.1	226.6	
88	229.6	244.4	251.6	257.3	262.6	268.3	269.3	272.4	275.9	282.9	290.6	295.3	314.1	
89	116.2	115.3	114.3	115.3	113.6	111.9	109.4	109.4	109.0	109.9	109.4	109.2	108.9	
90	108.3	108.8	109.5	110.6	111.1	111.2	112.1	114.0	115.0	115.4	114.7	115.1	117.6	
91	110.4	109.2	109.4	110.2	110.9	111.5	110.9	110.7	109.9	109.1	109.9	109.8	110.9	
921	367.0	370.4	371.0	369.9	369.2	369.4	368.8	368.7	369.0	367.9	367.6	368.2	368.2	

Table CVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 493 Pi	R 477 Pi	R 479 Pi	R 481 Pi	R 483 Pi	R 484 Pi	R 485 Pi	R 486 Pi	R 487 Pi	R 489 Pi	R 491 Pi	R 492 Pi	R 494 Pi
922	264.8	267.2	265.6	265.3	263.8	263.7	263.9	262.7	263.1	263.3	264.0	264.7	264.2
93	172.8	172.1	170.7	170.5	169.8	169.7	169.8	170.2	170.8	171.2	171.3	171.6	172.9
94	250.4	253.4	253.4	253.1	253.9	253.6	253.8	254.4	254.8	256.8	259.1	259.6	261.5
95	117.7	117.6	118.3	119.5	119.2	119.2	118.3	118.8	118.6	119.1	119.7	119.7	120.4
125	227.1	204.4	191.9	181.7	172.1	167.0	162.3	156.9	151.1	142.9	135.7	132.1	117.4
126	123.9	137.4	145.2	152.5	162.1	166.9	172.7	177.7	183.7	193.8	204.1	210.5	236.8
128	254.5	256.9	256.4	259.0	258.0	257.3	256.5	257.3	256.7	255.4	252.0	251.8	249.6
132	91.3	92.8	92.5	93.6	93.5	93.1	92.7	93.6	93.8	93.7	94.1	94.2	91.4
201	809.4	816.9	817.1	813.7	811.9	812.7	813.2	811.4	812.1	811.1	810.6	810.0	800.3
202	912.2	920.7	919.8	917.2	914.9	916.4	916.0	916.0	916.3	914.9	913.8	914.1	903.8
203	953.2	961.5	962.2	959.6	958.3	959.8	959.9	958.3	958.5	958.2	957.1	957.2	947.9
204	923.8	930.9	931.5	928.5	926.6	927.6	929.1	927.3	925.8	925.8	924.9	924.5	917.8
205	817.5	825.3	827.2	823.6	822.6	823.0	823.4	822.4	821.8	821.1	821.1	822.9	816.1
206	682.5	690.1	689.5	687.6	686.3	687.6	686.5	684.9	685.2	685.6	685.1	684.7	679.7
207	569.8	576.0	576.3	575.7	575.0	575.1	574.5	574.1	573.6	574.3	575.5	576.2	571.5
208	508.3	513.5	514.9	514.3	513.1	513.4	512.4	511.9	512.0	512.0	513.6	513.8	509.4
209	809.7	779.0	763.0	742.2	726.3	719.6	708.6	697.7	690.6	674.9	658.6	650.4	607.8
210	886.4	864.0	853.1	835.2	822.3	815.9	808.3	799.2	791.8	781.6	766.4	759.8	721.6
211	933.1	924.2	918.9	907.2	899.8	896.3	894.1	887.5	883.5	878.6	867.8	864.5	838.8
212	851.4	875.5	882.2	890.1	893.1	896.8	902.3	906.1	907.5	913.6	920.8	925.2	936.9
213	744.7	779.4	791.4	805.0	812.2	818.5	827.3	833.7	839.9	851.7	865.2	870.2	896.6
214	613.2	653.5	671.6	689.5	703.0	709.9	718.7	728.5	738.1	754.9	773.9	780.3	820.5
215	361.3	361.6	361.0	358.7	357.7	357.4	355.9	355.6	356.0	354.1	354.3	353.9	352.1
216	422.6	390.9	374.4	360.0	344.2	335.5	332.9	324.2	316.2	306.3	291.9	287.5	258.4
217	262.2	288.1	301.2	315.4	327.6	335.9	341.6	347.3	354.7	368.7	384.1	393.4	435.1
218	268.4	267.7	265.1	263.7	261.9	261.2	260.3	259.7	260.0	259.4	259.1	258.2	254.9
219	229.4	207.0	198.1	189.6	180.1	175.8	170.6	167.6	162.4	156.5	149.2	144.5	129.2
220	130.9	144.2	149.6	156.8	164.4	170.5	174.6	179.7	184.4	192.8	202.6	208.4	232.5
221	180.4	163.2	155.3	146.7	140.0	135.9	131.8	129.4	126.4	122.6	115.5	112.9	100.8
222	100.1	109.3	115.7	120.9	125.5	128.8	131.3	134.6	139.6	147.2	157.4	160.8	181.1
223	172.7	155.8	147.8	139.0	132.6	129.9	126.4	124.3	121.3	118.0	111.5	108.4	97.8
224	97.2	104.9	110.2	116.1	120.2	123.1	125.8	128.7	132.3	139.7	148.8	153.4	173.9
225	264.2	267.0	267.6	266.8	266.2	266.9	266.5	265.5	265.9	265.3	265.4	265.7	262.8
226	507.4	512.7	514.2	512.7	511.2	511.6	511.5	511.6	510.9	513.0	511.6	510.9	509.3
227	579.0	585.1	586.5	585.7	583.0	584.0	584.3	584.3	582.2	584.4	584.4	584.0	580.4
228	672.7	680.2	680.9	679.5	676.8	678.4	677.8	678.3	677.1	679.2	678.8	678.9	671.3

Table CVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	$.0^\circ$	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 493	R 477	R 479	R 481	R 483	R 484	R 485	R 486	R 487	R 489	R 491	R 492	R 494
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	352.1	354.0	355.0	355.2	354.2	354.3	353.3	353.0	352.0	353.0	352.4	352.1	352.2
230	129.1	130.0	129.9	130.2	128.8	129.2	128.5	128.7	129.3	129.7	130.0	130.0	129.6
231	585.0	549.5	527.9	511.1	492.2	483.8	472.7	467.4	458.8	443.7	428.5	420.2	384.6
232	734.2	701.9	684.6	663.3	648.4	639.5	629.1	618.3	611.4	594.4	579.2	569.4	527.4
233	515.7	556.9	576.3	592.6	609.2	616.2	624.5	634.2	644.5	661.4	681.4	689.5	731.5
234	383.7	418.6	434.3	449.3	464.8	470.3	478.3	487.3	495.9	514.1	532.8	541.6	587.6
235	224.8	203.0	195.7	186.3	177.9	174.8	169.7	165.7	163.0	156.3	148.6	146.9	132.5
236	181.4	169.7	165.5	160.5	155.7	154.0	151.2	148.9	147.3	142.4	138.7	137.2	128.5
237	136.3	134.5	132.2	129.6	126.7	126.1	125.2	125.4	124.7	123.4	121.7	120.9	118.5
238	128.1	126.2	124.6	123.4	122.3	121.9	120.9	121.3	121.5	121.2	120.0	119.6	117.9
239	119.3	118.9	118.9	119.2	119.2	118.7	117.5	117.9	118.0	118.3	118.4	117.6	117.8
240	86.8	87.7	87.6	87.9	88.9	89.0	90.3	93.0	93.7	93.3	89.9	88.1	88.2
241	109.6	108.7	107.0	103.9	102.0	100.3	99.4	99.1	98.7	99.8	97.7	97.1	95.4
242	63.7	62.1	59.3	56.8	54.0	52.6	51.5	54.1	55.6	57.5	59.7	60.3	61.7
243	168.9	169.0	169.0	168.1	169.0	169.2	168.7	169.6	168.5	168.4	168.3	168.4	168.4
244	253.8	255.7	256.5	256.5	257.0	256.8	256.0	257.1	256.6	255.2	253.2	252.1	251.7
245	256.4	259.8	262.1	262.4	262.8	262.7	261.0	262.2	260.2	258.9	258.3	257.7	254.2
246	286.2	263.6	251.7	242.2	230.0	225.1	218.5	214.9	208.8	200.0	189.7	184.9	163.9
247	230.0	207.7	199.6	190.4	182.0	177.0	171.6	169.0	164.2	157.6	149.6	146.3	131.0
248	208.2	188.1	178.5	170.8	162.5	157.7	151.6	149.7	144.7	138.5	132.5	130.4	111.4
249	113.6	128.3	132.7	140.9	146.9	152.5	156.0	161.8	166.7	175.8	185.7	191.1	214.8
250	200.5	179.0	170.0	159.7	149.0	144.7	139.0	133.1	126.7	117.1	103.4	95.7	67.9
251	119.9	107.6	102.2	97.5	94.0	92.5	91.2	90.8	87.6	83.9	79.7	78.8	73.2
252	376.0	378.3	379.2	379.2	377.7	378.1	377.4	377.2	376.3	377.0	376.0	376.7	375.8

Table CVII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 65	R 60	R 59	R 57	R 55	R 54	R 53	R 52	R 51	R 49	R 47	R 45	R 66	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	229.3	229.3	229.6	228.0	226.5	227.4	227.0	228.6	227.1	228.2	228.4	228.9	228.9	
3	257.5	346.9	338.5	324.0	310.1	304.7	297.8	294.2	284.9	274.7	263.4	251.2	231.1	
4	353.1	262.0	269.0	279.6	290.1	299.1	301.2	309.3	315.9	330.7	344.3	361.2	393.6	
5	260.0	352.7	343.9	328.5	314.0	307.7	300.6	296.1	287.7	277.8	265.3	253.1	232.2	
6	355.1	261.4	268.4	278.9	289.9	298.5	303.4	309.9	316.6	332.6	346.3	364.1	398.4	
7	262.1	356.6	348.3	332.8	318.4	311.0	304.2	300.2	291.6	281.4	268.5	256.6	234.7	
8	364.2	268.4	274.2	285.4	297.7	305.0	309.3	316.5	324.0	340.2	354.5	372.6	406.0	
9	331.6	331.5	331.6	330.4	329.0	329.3	328.1	327.8	327.1	328.6	330.3	332.0	330.3	
10	175.9	175.1	175.7	174.5	174.5	173.9	173.5	174.6	174.4	174.9	175.3	176.0	175.0	
11	224.9	314.8	308.7	294.2	279.6	274.1	267.5	260.9	255.0	243.9	232.4	218.2	200.3	
12	316.0	227.0	233.9	244.5	256.6	261.4	268.7	274.4	279.5	294.0	307.8	321.7	356.0	
13	211.5	301.6	295.2	280.2	266.6	261.5	254.4	247.5	243.3	231.3	219.5	206.4	189.1	
14	306.6	215.1	223.9	234.8	246.8	252.2	258.7	265.3	269.1	283.3	298.5	312.2	345.3	
15	210.5	292.7	288.7	273.4	261.1	254.2	249.9	244.4	238.8	227.7	217.2	204.5	188.3	
16	288.4	205.1	212.9	222.2	234.4	238.8	244.4	250.6	253.7	268.2	281.4	294.4	325.9	
17	333.2	330.8	333.9	334.2	332.4	331.2	332.7	332.6	334.3	336.8	334.6	331.8	324.7	
19	159.9	228.6	222.5	209.8	201.5	196.8	192.8	188.3	182.7	173.7	163.6	155.5	144.2	
20	225.5	159.9	165.3	173.1	181.6	185.7	189.6	195.5	198.2	206.7	218.1	231.1	256.8	
21	148.3	207.7	204.2	194.6	185.6	181.3	176.4	172.1	166.6	158.2	149.4	143.7	131.8	
22	205.2	146.1	151.5	157.3	165.0	169.8	173.7	178.8	182.3	192.3	202.0	211.7	237.0	
23	123.6	176.2	172.5	163.2	154.8	151.5	145.8	142.6	139.2	132.3	126.1	122.0	108.8	
24	172.6	123.5	126.2	132.2	137.6	140.3	144.1	149.3	151.5	159.7	168.1	176.5	195.0	
25	117.3	167.2	164.4	154.2	145.8	142.0	138.2	134.6	131.5	124.8	120.4	114.2	104.9	
26	165.4	116.1	121.2	124.9	132.0	134.2	137.3	140.9	144.0	152.8	161.3	170.0	186.0	
43	211.5	291.2	286.3	271.8	259.8	253.8	249.4	242.6	237.5	228.8	216.6	205.5	189.6	
44	297.6	208.6	215.7	225.6	238.2	241.4	249.3	255.7	258.6	275.5	290.7	304.4	338.1	
67	111.1	157.0	154.1	145.3	137.4	133.3	130.2	127.1	124.4	118.1	114.1	108.6	101.0	
68	156.5	111.2	116.1	119.4	125.7	127.6	131.1	135.3	137.5	145.0	152.4	160.8	176.9	
85	294.1	393.0	384.6	368.7	352.6	345.9	338.3	332.1	325.4	314.7	300.4	288.4	262.1	
86	404.9	302.4	308.2	322.4	334.7	341.4	345.9	355.2	362.9	379.4	394.1	412.1	447.9	
87	243.7	295.0	291.5	283.4	276.1	272.1	268.7	264.9	261.2	255.5	246.8	240.7	225.2	
88	295.4	244.8	250.4	256.1	262.0	265.7	267.3	271.8	275.6	283.9	290.8	299.1	314.3	
89	107.3	112.2	113.4	111.5	110.6	109.8	108.6	109.4	108.2	108.3	107.2	106.6	106.9	
90	114.0	107.5	108.9	108.3	108.3	108.6	109.1	110.5	110.7	113.1	113.5	114.8	116.3	
91	108.5	107.5	108.7	107.2	107.9	108.0	108.3	109.0	108.0	108.2	108.1	108.0	109.2	
921	364.5	363.0	363.7	362.4	362.4	362.5	360.9	361.2	360.7	362.3	364.2	363.2	364.5	

Table CVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 65	R 60	R 59	R 57	R 55	R 54	R 53	R 52	R 51	R 49	R 47	R 45	R 66	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	265.5	264.5	265.3	264.3	263.7	264.1	264.1	263.1	263.6	265.4	264.8	264.9	263.1	
93	172.2	171.4	171.3	170.0	170.1	169.8	169.2	170.4	170.0	171.3	171.1	171.9	171.7	
94	259.4	252.2	253.0	252.7	252.6	253.7	254.0	255.7	255.6	257.0	258.8	260.0	261.5	
95	117.6	116.5	117.1	116.0	116.4	116.7	116.6	117.4	116.1	117.2	117.1	117.2	118.4	
125	131.0	196.7	192.8	181.5	171.4	166.7	161.5	157.8	151.6	142.9	135.6	127.2	115.7	
126	205.5	139.8	144.9	151.3	159.2	165.9	169.8	175.1	178.9	188.8	199.5	207.4	234.5	
128	250.0	252.8	252.9	254.0	254.7	254.8	254.5	254.5	253.1	252.2	250.9	249.7	249.9	
132	90.2	89.8	91.0	90.3	90.5	90.8	90.7	91.4	90.3	90.2	90.1	89.6	88.4	
201	805.5	808.8	809.3	807.8	807.6	807.1	807.2	806.7	807.3	807.2	805.9	804.7	799.3	
202	910.5	913.3	914.1	912.5	914.4	913.0	913.8	912.6	914.3	914.4	912.8	909.6	903.6	
203	954.3	957.2	957.2	954.3	956.7	957.3	957.7	955.4	956.5	958.4	957.9	953.0	947.0	
204	924.9	928.5	929.9	926.2	927.1	927.6	927.3	926.3	925.7	927.5	927.9	922.7	918.3	
205	822.7	824.8	824.4	821.6	823.0	822.1	822.5	821.4	822.8	824.2	824.7	821.2	817.9	
206	686.6	686.3	689.0	686.3	686.7	685.3	685.6	684.7	684.7	686.7	687.9	685.5	681.0	
207	577.3	573.9	574.4	572.9	572.4	572.9	572.9	572.5	573.1	575.8	576.5	576.5	572.4	
208	514.2	511.7	512.2	511.4	511.4	511.7	511.8	510.8	510.9	514.4	513.4	513.7	510.5	
209	650.5	770.9	760.3	743.5	725.6	717.1	708.3	699.0	691.6	675.9	657.2	642.4	603.9	
210	760.3	858.4	849.9	835.0	822.4	814.9	806.7	800.0	793.3	780.7	767.2	754.6	721.9	
211	863.5	920.8	917.6	907.5	900.0	895.3	891.6	887.2	884.4	878.5	871.0	862.5	840.6	
212	924.9	875.2	881.1	883.1	892.5	896.2	900.5	903.4	907.3	915.8	921.5	926.1	935.0	
213	871.8	781.9	786.3	796.4	811.2	818.3	824.0	832.6	837.4	852.3	863.7	875.2	898.0	
214	781.5	658.2	665.9	682.9	697.6	707.6	717.1	726.3	734.3	753.1	769.8	786.8	819.9	
215	349.3	352.5	353.1	350.7	350.0	349.5	348.0	347.6	348.0	349.2	348.8	347.9	347.7	
216	287.2	381.4	373.2	357.9	343.2	335.6	330.3	324.7	317.5	306.9	292.2	282.0	256.4	
217	392.0	291.6	298.7	311.8	323.3	330.2	335.1	342.8	350.0	367.2	381.6	399.6	433.1	
218	259.7	264.9	265.0	263.5	261.6	262.3	261.0	261.6	260.0	260.0	259.6	257.8	254.3	
219	144.5	200.8	197.6	187.5	180.2	175.9	170.9	167.2	162.6	154.1	145.7	140.1	129.0	
220	201.4	145.0	150.0	156.4	163.4	168.6	172.1	176.6	179.9	189.5	198.2	206.9	231.2	
221	111.9	159.4	155.6	146.7	139.1	134.9	130.8	130.2	125.9	121.1	114.5	108.3	99.8	
222	156.6	108.4	112.7	119.5	124.3	128.0	131.7	134.7	137.1	145.0	151.7	160.2	178.1	
223	106.7	151.4	149.2	139.0	132.8	128.7	127.8	124.4	120.0	115.5	109.6	104.0	96.9	
224	149.1	104.1	108.2	114.0	118.9	121.1	124.9	128.6	130.5	136.6	145.2	152.5	169.2	
225	262.4	260.4	260.9	261.7	262.0	261.7	260.3	261.5	260.9	263.2	262.8	262.3	262.6	
226	506.9	505.7	505.1	503.8	503.2	503.3	503.8	502.3	502.0	503.7	506.3	506.7	506.6	
227	580.7	580.0	577.6	576.6	575.4	576.8	576.2	575.8	575.7	577.1	579.3	579.7	578.0	
228	673.9	674.0	673.4	672.0	670.6	670.0	670.6	670.6	670.7	673.4	672.7	673.6	669.2	

Table CVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 65	R 60	R 59	R 57	R 55	R 54	R 53	R 52	R 51	R 49	R 47	R 45	R 66	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	355.6	352.9	353.6	352.4	352.7	352.9	352.5	352.3	352.0	354.4	354.6	354.2	352.1	
230	129.2	128.3	128.8	127.8	127.6	128.1	127.9	128.3	128.3	129.0	128.2	130.1	129.1	
231	418.7	533.0	524.1	504.7	486.6	478.1	469.0	462.0	452.6	438.5	424.1	411.6	380.7	
232	570.1	691.8	681.2	663.1	644.9	636.9	626.2	618.2	609.7	595.2	577.4	561.7	524.3	
233	687.5	560.1	570.1	586.8	599.8	610.8	621.1	630.0	639.9	658.5	677.7	695.5	730.4	
234	539.0	420.9	428.7	442.2	457.9	464.3	474.2	483.0	490.8	510.2	529.7	548.0	584.9	
235	144.9	198.4	194.8	185.5	178.6	174.5	170.3	167.3	162.9	154.5	147.7	143.5	133.3	
236	137.5	167.2	165.3	160.6	155.2	154.5	151.9	149.6	146.7	142.4	138.5	137.4	128.7	
237	119.9	131.8	130.6	127.4	126.3	125.4	125.0	125.7	123.9	122.2	120.4	119.4	118.0	
238	118.5	123.9	123.5	120.7	121.3	121.1	120.4	121.5	120.5	120.0	118.7	117.8	117.1	
239	116.7	117.3	117.5	116.9	116.2	116.7	116.2	116.7	116.0	116.7	116.3	116.3	116.6	
240	85.8	85.9	87.1	86.0	86.3	87.0	87.7	91.2	91.0	90.4	87.5	85.3	86.1	
241	96.2	106.1	105.4	101.9	100.4	99.9	98.6	100.1	98.1	97.7	97.0	95.7	93.7	
242	57.0	58.8	58.5	53.8	50.5	49.7	49.0	50.3	50.4	52.9	55.4	57.3	60.1	
243	166.8	167.4	167.2	168.0	168.2	168.0	167.9	168.2	166.1	166.7	166.0	166.1	167.7	
244	250.3	252.1	253.4	251.8	252.0	251.6	251.9	252.8	251.6	251.0	251.1	249.5	250.4	
245	254.7	256.5	257.5	257.7	256.7	257.2	257.2	257.7	255.9	255.9	254.5	253.3	252.9	
246	184.9	254.2	248.7	236.9	229.1	222.9	218.7	213.6	208.7	199.1	187.8	178.8	165.3	
247	145.4	202.5	197.6	188.4	181.9	177.8	172.1	168.5	163.9	155.4	146.8	142.1	130.5	
248	127.7	183.8	180.4	171.1	161.5	157.8	152.4	149.3	144.7	138.6	129.6	125.0	110.6	
249	186.5	129.5	132.0	138.3	145.6	149.6	153.7	160.0	162.4	172.5	181.1	190.0	211.0	
250	94.5	174.2	171.7	160.6	150.3	144.4	139.2	134.5	126.6	115.4	101.4	88.4	66.2	
251	78.5	102.8	101.8	95.3	92.3	90.3	89.0	88.8	85.9	82.0	78.0	76.4	71.8	
252	378.8	377.2	378.1	377.6	376.6	376.6	376.7	376.2	376.4	377.9	378.3	377.9	375.7	

Table CVIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 219 Pi	R 210 Pi	R 212 Pi	R 214 Pi	R 216 Pi	R 218 Pi	R 220 Pi	R 221 Pi	R 222 Pi
2	226.5	225.3	225.3	225.6	225.7	225.3	225.1	224.8	224.6
3	332.3	326.4	314.4	301.4	289.9	278.0	267.0	256.0	235.7
4	277.0	282.2	294.1	305.5	318.5	330.6	344.4	358.4	385.4
5	338.0	332.4	319.1	306.2	293.9	281.1	269.5	258.3	237.1
6	277.9	283.0	296.1	307.5	321.4	333.5	346.7	361.5	390.3
7	344.3	338.1	325.3	311.5	299.4	286.2	273.9	262.6	241.1
8	284.7	290.9	303.1	315.5	329.2	342.3	355.8	370.5	399.4
9	331.4	333.0	333.5	333.3	333.6	333.3	332.2	331.7	329.9
10	173.7	173.6	173.7	173.7	174.2	173.9	173.1	173.7	173.8
11	301.8	296.2	284.1	271.6	260.2	248.5	236.8	225.8	205.8
12	243.9	249.4	261.2	272.4	284.7	296.9	310.1	323.4	350.9
13	288.4	283.4	270.5	258.0	246.5	234.9	224.0	213.2	194.1
14	234.0	240.1	251.0	262.6	275.1	287.2	300.1	313.9	340.4
15	281.6	276.4	265.0	253.2	242.2	231.5	220.7	210.4	192.3
16	222.0	227.8	238.7	249.5	260.4	272.1	283.6	296.6	322.7
17	339.5	339.5	341.7	339.2	337.9	337.7	334.9	332.5	325.2
19	219.7	214.1	203.3	193.9	185.2	176.2	168.3	160.4	146.7
20	171.9	176.8	184.9	193.2	202.8	211.5	222.0	232.7	255.0
21	200.4	196.3	187.2	177.7	169.8	161.4	153.8	146.9	134.7
22	156.8	161.1	168.9	177.2	186.3	194.7	204.3	214.8	237.0
23	169.0	165.8	157.8	150.0	143.4	135.9	130.0	123.5	113.6
24	130.9	134.5	141.0	147.8	154.9	161.8	169.9	178.3	196.7
25	161.6	158.5	148.7	141.9	135.4	127.9	122.4	116.6	106.7
26	124.5	127.6	134.3	141.4	149.0	156.0	164.1	173.0	191.4
43	278.7	274.0	262.7	251.9	242.2	231.1	220.9	212.0	195.0
44	224.8	229.8	241.1	252.8	265.8	277.9	290.9	304.4	331.5
67	150.8	147.9	139.2	132.3	126.3	119.6	114.6	109.6	101.6
68	117.9	120.6	126.7	133.6	140.4	147.1	154.7	162.9	179.6
85	376.2	370.4	357.2	343.5	331.0	318.2	305.5	292.9	270.2
86	319.5	325.9	338.9	351.7	365.2	379.5	393.4	408.4	438.0
87	284.0	280.8	274.0	267.3	260.5	254.2	247.7	239.9	228.5
88	252.1	254.6	260.1	266.5	273.3	279.5	286.6	293.0	306.2
89	112.4	112.7	111.9	110.0	108.9	108.7	108.1	107.4	106.7
90	108.0	108.3	109.2	110.1	112.3	113.8	113.7	114.4	115.9
91	108.2	108.1	108.5	108.8	109.0	108.6	108.3	108.0	108.7
921	364.2	366.7	367.5	367.0	366.9	366.4	366.1	365.0	363.4

Table CVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$ Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 219	R 210	R 212	R 214	R 216	R 218	R 220	R 221	R 222
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	262.0	260.9	261.1	260.8	260.5	260.1	260.5	259.5	259.2
93	168.4	168.8	168.6	168.8	169.1	168.5	169.2	168.7	169.2
94	249.1	249.7	250.7	251.4	252.1	252.5	253.8	254.8	256.5
95	116.5	117.4	117.3	117.4	117.7	117.3	116.8	116.4	118.0
125	186.3	182.3	172.8	163.6	155.0	145.7	138.0	130.2	118.9
126	150.8	155.1	163.4	172.1	181.2	190.6	201.2	211.1	233.7
128	255.0	256.8	257.0	256.4	255.9	255.1	254.3	252.5	250.4
132	90.5	90.7	90.8	91.4	91.9	91.8	91.5	90.8	90.1
201	812.0	813.5	813.4	813.4	812.4	811.2	808.7	805.2	798.6
202	914.0	916.4	917.1	915.6	915.2	912.8	910.9	907.9	899.8
203	958.4	958.8	960.3	959.8	957.6	955.7	954.6	952.2	943.8
204	928.1	928.9	930.0	929.5	928.3	927.2	924.7	922.1	914.4
205	822.7	822.0	823.4	823.2	824.2	822.9	820.3	819.4	813.1
206	684.3	683.9	684.2	684.6	684.2	683.0	682.6	680.2	675.9
207	571.8	571.0	571.6	571.4	571.4	571.2	570.7	569.2	566.0
208	510.7	510.4	510.0	510.7	510.0	509.9	509.4	507.0	505.8
209	749.5	742.7	727.6	712.1	697.3	681.7	664.1	647.8	615.2
210	840.2	834.8	824.3	811.7	798.0	785.5	771.6	755.7	728.0
211	910.9	907.2	903.2	895.4	887.9	880.9	871.1	860.5	841.8
212	884.0	887.8	895.8	903.0	908.3	914.3	919.2	920.0	927.0
213	796.1	801.2	813.8	826.1	837.0	847.5	857.2	868.1	884.5
214	677.2	686.2	702.3	717.0	733.1	747.3	762.5	777.5	803.3
215	354.3	355.4	355.3	354.5	353.6	353.1	351.8	350.3	347.8
216	364.9	358.3	346.1	333.5	321.9	308.9	297.0	285.9	264.0
217	308.6	314.9	326.9	339.5	353.4	366.5	380.0	394.4	423.2
218	260.7	259.4	259.3	258.4	257.6	256.0	255.0	253.8	251.9
219	192.9	189.0	180.0	171.7	163.9	155.8	148.6	142.5	131.2
220	154.0	157.4	165.1	172.9	181.6	189.9	199.7	209.2	230.3
221	149.5	146.7	140.8	134.3	128.6	122.6	115.8	110.5	101.5
222	117.2	120.3	126.1	132.6	139.2	146.5	154.4	162.0	179.4
223	141.9	138.9	132.6	127.0	122.0	116.8	111.7	107.5	99.0
224	112.2	115.1	120.7	126.5	132.9	139.3	146.7	155.1	172.3
225	260.8	262.4	262.9	262.9	262.7	262.4	262.4	260.9	259.9
226	508.5	508.8	511.1	510.4	510.5	510.0	509.8	507.9	505.2
227	581.7	584.4	585.1	585.0	584.8	584.8	583.8	581.4	578.5
228	677.1	678.9	680.1	679.7	678.7	678.6	677.4	675.0	671.9

Table CVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 219	R 210	R 212	R 214	R 216	R 218	R 220	R 221	R 222
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	351.0	350.5	350.2	351.3	350.8	350.2	350.6	349.3	348.8
230	127.0	126.7	127.2	127.1	127.5	126.8	127.0	127.0	127.6
231	519.1	512.1	495.6	480.0	463.9	448.4	434.4	420.3	393.0
232	672.2	664.1	649.0	632.9	616.9	600.8	584.0	566.5	535.3
233	584.3	590.6	609.7	624.1	640.6	655.4	670.9	686.1	715.4
234	440.8	447.7	462.3	477.6	493.2	508.6	524.6	541.0	571.5
235	190.1	186.2	178.9	171.9	164.7	157.6	151.2	145.0	134.5
236	160.9	159.0	154.6	150.4	146.3	142.1	139.1	134.8	127.9
237	127.8	126.4	124.5	123.6	122.3	120.7	119.8	118.4	116.3
238	121.3	121.3	120.5	120.2	119.9	118.8	118.0	117.0	116.9
239	117.0	117.8	117.3	117.3	117.1	116.5	116.4	115.4	116.0
240	86.9	86.7	87.3	88.3	92.0	91.6	88.8	86.9	86.9
241	103.3	102.0	100.3	99.4	98.6	97.1	95.8	95.0	93.9
242	56.8	56.1	53.7	51.4	52.8	55.4	57.6	59.3	61.8
243	167.5	167.9	168.4	168.2	167.7	167.5	167.9	167.6	167.7
244	253.8	254.9	256.1	255.2	255.3	255.2	254.3	252.9	251.7
245	256.3	258.0	258.9	257.8	257.8	256.4	255.5	254.3	252.9
246	246.1	242.3	231.9	221.3	211.9	201.7	192.6	184.3	168.2
247	194.1	190.3	181.8	173.4	166.1	158.3	151.1	144.6	132.7
248	175.2	171.5	163.0	155.2	147.6	139.8	133.2	126.8	115.1
249	138.3	141.8	149.0	156.7	165.2	174.0	182.9	192.6	212.2
250	165.5	161.9	151.6	141.8	131.1	119.6	107.2	94.1	71.0
251	98.5	96.9	92.9	89.5	86.5	83.5	80.1	76.6	72.6
252	376.2	374.9	374.9	374.7	374.4	374.2	374.6	373.7	372.4

Table CIX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°
	R 134	R 136	R 135	R 133	R 131	R 129	R 127	R 125	R 124
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	226.7	227.1	227.0	226.8	227.1	226.6	226.5	226.2	225.5
3	281.8	349.8	336.9	322.6	310.8	298.7	286.8	276.2	270.9
4	326.3	262.1	273.0	283.8	295.5	308.3	320.7	333.0	338.6
5	284.7	354.9	341.0	327.5	315.2	302.2	290.2	278.3	273.4
6	328.1	261.3	272.6	284.3	296.2	309.1	321.6	335.5	341.7
7	288.7	361.3	347.5	333.1	319.9	307.2	294.3	282.5	277.3
8	336.1	268.6	280.5	292.3	304.3	316.8	330.1	343.1	349.6
9	330.1	331.0	331.5	331.9	331.4	330.8	330.3	329.8	330.8
10	174.5	175.0	175.0	175.3	174.9	174.6	174.8	174.0	173.3
11	252.1	322.2	308.5	295.8	282.3	269.7	258.0	246.4	241.1
12	292.3	229.9	240.4	251.3	262.5	274.1	286.5	299.1	305.0
13	239.1	309.6	295.9	282.1	269.3	256.9	244.9	233.6	228.7
14	283.0	220.1	230.8	241.4	252.9	265.0	276.5	289.4	295.6
15	235.6	300.2	287.2	275.0	262.5	251.9	240.2	229.8	225.2
16	266.2	208.2	218.3	228.5	238.8	249.9	260.7	272.2	278.3
17	333.7	329.9	332.6	331.9	333.2	335.2	334.9	333.3	333.6
19	179.2	234.1	222.6	211.7	202.1	192.1	183.5	174.9	170.8
20	208.3	161.4	169.4	177.0	185.5	194.3	203.1	213.0	217.4
21	164.4	214.8	204.9	194.6	185.1	176.5	167.7	160.1	156.4
22	190.9	147.5	154.4	161.8	169.8	177.9	186.2	195.3	199.8
23	136.8	178.9	170.5	161.7	154.3	146.8	140.0	133.4	130.3
24	158.7	122.5	128.8	134.3	141.4	147.8	155.2	162.6	166.1
25	129.8	171.9	162.9	154.3	147.4	139.9	133.2	126.7	124.2
26	152.2	116.2	122.0	127.8	134.6	141.4	148.2	155.8	159.3
43	234.5	297.9	285.6	272.9	261.4	250.3	240.2	229.5	225.0
44	273.7	211.4	221.0	230.8	242.5	254.7	267.0	280.2	286.5
67	122.5	161.3	153.2	144.8	138.4	131.7	125.2	119.4	116.6
68	144.5	111.8	116.8	121.8	128.6	134.3	141.0	147.9	151.0
85	320.0	396.0	381.3	367.5	352.6	339.3	326.5	313.8	307.9
86	374.0	302.8	315.1	327.8	340.5	353.7	367.7	381.8	388.1
87	256.0	294.8	287.7	281.3	273.1	266.5	259.7	252.9	249.4
88	279.6	244.9	251.0	257.0	262.8	269.5	275.8	282.8	284.8
89	108.1	113.1	112.7	111.9	110.5	109.2	108.7	108.3	107.5
90	112.2	107.4	108.0	108.3	108.9	110.1	111.8	112.6	112.6
91	108.6	108.1	108.1	108.0	108.7	109.1	108.6	108.4	107.9
921	363.9	362.8	363.6	363.7	363.6	363.2	364.4	364.7	364.8

Table GIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°
	R 134 Pi	R 136 Pi	R 135 Pi	R 133 Pi	R 131 Pi	R 129 Pi	R 127 Pi	R 125 Pi	R 124 Pi
922	262.5	262.2	262.7	263.2	262.4	262.0	261.9	261.8	261.1
93	169.6	169.9	170.1	169.6	169.5	169.7	169.5	169.3	168.5
94	254.7	249.3	250.7	251.5	251.8	253.5	254.1	255.0	254.2
95	116.4	115.8	116.2	116.0	116.4	117.0	116.8	116.5	116.0
125	148.6	200.0	190.0	179.7	170.7	161.7	153.0	144.5	140.3
126	187.0	139.9	148.3	155.6	164.9	173.6	182.6	192.0	196.1
128	251.4	251.9	252.3	252.3	252.4	251.8	251.5	252.2	252.8
132	92.2	92.0	92.4	92.1	92.7	93.2	92.2	92.1	91.6
201	811.1	811.1	812.4	813.0	813.4	812.7	812.0	810.7	811.8
202	915.9	914.9	915.8	917.3	917.0	916.6	916.6	914.0	913.8
203	957.0	956.5	958.3	959.3	958.9	958.7	957.7	956.0	955.4
204	924.9	923.7	926.1	927.0	926.9	926.2	925.5	924.2	923.4
205	820.5	817.0	818.6	820.8	821.2	821.0	821.2	819.2	818.5
206	684.8	682.7	684.3	685.2	684.6	685.0	684.2	683.0	681.9
207	572.5	571.3	572.6	573.3	572.5	572.3	572.8	572.2	569.8
208	510.3	509.1	510.7	511.1	510.4	509.9	511.0	510.5	509.2
209	684.1	770.0	754.7	739.2	724.5	708.8	692.5	676.6	669.3
210	788.1	854.7	843.8	832.4	820.2	808.4	794.8	780.9	774.0
211	879.8	915.8	910.6	904.2	898.4	891.7	884.1	875.8	872.0
212	909.3	871.3	879.9	887.4	894.8	900.4	907.0	912.2	913.9
213	843.5	776.5	790.8	803.2	815.8	826.8	838.6	848.6	852.6
214	743.8	655.1	673.3	689.2	704.7	720.6	735.1	750.9	757.2
215	350.2	353.3	352.3	352.6	351.9	351.4	351.0	350.3	351.3
216	311.7	383.8	370.4	356.2	342.7	329.7	317.2	305.6	300.1
217	361.3	292.6	304.7	316.7	328.8	341.6	355.3	368.4	374.7
218	258.2	262.7	262.3	261.8	260.3	259.5	258.4	257.9	255.8
219	158.9	206.9	196.7	187.7	178.9	170.3	162.5	155.0	151.6
220	187.2	145.3	152.1	159.3	166.9	174.5	182.7	191.3	195.7
221	123.2	164.4	155.3	147.1	139.7	132.7	126.3	120.3	117.4
222	142.6	109.6	114.8	120.4	126.6	132.7	139.2	147.7	151.2
223	119.6	155.4	147.8	140.7	134.4	128.4	122.3	116.9	114.4
224	136.4	105.3	109.8	114.7	121.6	127.9	133.4	139.9	142.9
225	257.7	257.3	258.2	258.3	258.5	257.7	258.2	258.5	258.7
226	508.2	507.4	508.2	509.3	508.6	509.5	507.6	508.1	509.1
227	581.2	580.2	581.4	583.5	582.9	583.5	582.9	581.8	583.0
228	677.1	675.5	676.6	677.5	678.6	677.9	677.9	676.6	678.3

Table CIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
 Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°
	R 134	R 136	R 135	R 133	R 131	R 129	R 127	R 125	R 124
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	349.9	349.4	350.6	350.2	350.7	350.6	350.2	350.2	348.9
230	128.2	128.6	128.7	128.0	128.7	128.6	128.0	127.9	127.2
231	449.1	538.0	520.6	503.7	488.2	472.1	456.4	442.2	436.2
232	604.1	692.0	676.3	661.3	645.0	628.6	611.8	595.4	588.4
233	650.3	559.9	577.1	594.5	610.1	627.0	642.6	658.9	666.6
234	504.7	421.6	436.0	450.9	465.7	481.7	496.3	512.8	520.2
235	160.6	203.1	194.6	186.0	178.7	170.8	164.1	157.4	153.7
236	145.2	169.3	164.2	159.5	155.2	151.0	146.9	142.9	140.5
237	122.1	132.7	130.5	126.9	125.7	124.7	122.6	121.3	120.0
238	118.8	123.3	122.1	120.4	120.5	120.2	119.4	118.4	117.4
239	116.0	116.4	116.6	115.8	116.4	116.2	116.1	115.5	114.8
240	92.7	87.8	88.0	87.3	88.2	90.3	92.7	92.1	90.5
241	98.3	108.2	106.2	102.4	101.6	100.2	98.9	97.5	96.6
242	54.1	60.4	58.0	54.8	52.5	50.9	53.0	55.4	56.7
243	166.5	167.4	167.9	167.2	167.8	167.7	166.6	167.1	168.3
244	251.6	251.5	251.9	251.6	251.9	252.3	251.8	251.5	252.4
245	254.3	254.8	255.1	255.1	255.9	255.7	254.8	253.8	254.6
246	205.0	259.2	248.8	238.6	228.9	219.3	209.2	200.2	196.4
247	161.2	208.6	198.9	190.0	181.3	173.2	164.9	157.5	154.1
248	140.6	185.9	176.4	168.0	159.6	151.9	144.5	137.3	134.1
249	169.8	128.3	134.9	142.2	149.5	157.3	165.5	174.5	178.7
250	124.5	178.5	169.9	162.2	152.3	141.9	130.3	118.3	111.6
251	85.0	107.1	101.5	97.1	93.4	89.9	86.5	83.4	82.1
252	374.2	373.4	374.5	374.5	374.5	374.2	374.7	373.9	373.0

Table CX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 800 Pi	R 801 Pi	R 802 Pi	R 803 Pi	R 804 Pi	R 805 Pi	R 806 Pi	R 807 Pi	R 808 Pi	R 809 Pi	R 810 Pi	R 811 Pi	R 812 Pi	R 813 Pi
2	204.9	224.6	245.5	268.9	294.3	320.9	348.7	378.6	409.5	440.5	471.5	504.0	534.3	565.5
3	292.4	296.6	300.5	305.1	309.0	312.6	314.7	316.4	316.6	317.2	317.3	314.6	312.0	306.8
4	299.1	303.2	309.0	314.3	318.6	322.8	325.5	326.6	327.3	326.9	325.7	323.0	319.2	314.5
5	301.3	300.5	301.1	300.8	301.0	300.4	300.2	299.3	297.8	297.8	296.6	292.2	286.6	280.5
6	304.9	305.5	306.1	306.8	307.2	306.3	305.4	303.4	300.9	298.7	295.9	291.1	286.2	280.4
7	311.4	307.0	302.7	299.2	295.5	292.7	289.4	285.6	282.6	281.2	277.7	272.8	267.3	261.8
8	317.3	314.0	311.0	308.7	305.5	301.7	298.4	294.6	290.2	286.9	283.2	278.0	273.6	268.2
9	359.7	333.6	309.3	285.4	261.5	238.3	216.9	196.4	178.4	161.5	146.3	132.8	120.4	109.2
10	156.4	172.2	189.3	208.3	229.4	251.9	275.5	301.9	328.9	357.6	386.9	417.3	448.3	480.3
11	239.8	242.3	244.1	245.9	247.0	248.3	248.4	248.8	248.0	247.5	245.1	241.8	238.3	233.9
12	237.4	239.9	242.8	245.6	247.5	248.2	249.6	249.9	249.5	249.3	247.1	244.0	239.6	234.3
13	242.4	244.0	243.9	244.0	244.2	244.1	244.1	244.7	243.8	244.1	242.5	241.4	240.2	238.2
14	240.0	240.8	243.1	244.3	245.1	245.3	245.7	245.4	245.4	244.5	243.5	240.9	238.2	234.2
15	253.1	252.2	250.5	247.8	245.1	242.4	239.6	236.2	232.7	230.1	227.2	225.1	222.6	220.3
16	248.2	246.4	245.6	243.5	241.6	239.8	237.2	234.6	232.2	230.3	228.8	226.1	223.9	221.4
17	366.0	336.7	310.0	281.8	256.7	229.5	206.7	184.8	166.7	161.8	141.3	127.1	111.0	101.3
19	194.5	196.1	196.3	194.1	193.9	194.2	194.7	194.7	195.5	196.8	196.6	197.9	199.3	199.2
20	196.0	195.8	194.7	195.3	196.1	196.0	196.7	197.4	197.6	198.4	200.5	200.7	201.6	201.1
21	178.3	178.6	178.3	175.8	177.4	177.6	180.4	181.1	179.8	179.4	178.0	178.6	179.3	179.4
22	175.6	175.6	177.0	176.1	178.2	179.9	180.9	182.0	182.3	181.4	179.5	178.9	179.5	180.2
23	148.3	148.8	149.2	148.7	148.8	148.6	148.1	148.2	148.0	148.4	149.4	150.7	150.8	150.8
24	145.9	145.4	146.3	146.4	145.1	144.2	143.1	142.1	141.9	142.9	144.0	145.5	146.2	146.4
25	140.9	141.1	140.6	140.4	139.7	138.8	137.9	137.3	136.2	136.0	135.7	135.8	136.7	138.7
26	138.0	138.0	138.3	138.0	137.3	136.9	136.0	135.1	134.7	135.0	135.0	134.4	135.2	137.1
43	240.5	248.7	255.0	260.6	267.4	273.0	277.8	282.4	286.1	288.3	289.3	289.6	288.5	287.3
44	232.6	240.4	248.3	254.7	260.5	266.3	270.6	273.5	277.3	280.4	282.2	283.2	282.2	281.1
67	131.2	133.1	134.0	134.9	135.6	136.6	137.9	138.4	139.2	140.5	142.1	143.1	143.2	143.7
68	129.4	131.1	133.2	135.0	136.3	137.7	138.9	139.7	140.6	142.6	144.3	145.4	145.2	145.3
85	336.9	338.6	339.3	339.6	339.8	340.0	338.0	336.3	333.1	329.9	325.4	321.7	317.4	308.3
86	347.2	348.4	350.7	352.4	352.6	352.0	351.1	348.6	345.8	343.0	338.4	333.8	328.6	321.2
87	247.1	264.9	282.8	300.9	321.2	340.5	361.2	383.2	403.2	423.5	442.7	462.5	484.5	501.4
88	246.8	265.0	285.0	305.4	326.7	347.7	369.3	391.3	412.6	433.8	454.7	473.7	493.9	511.8
89	99.2	109.0	119.6	132.3	146.5	162.2	179.8	199.2	219.7	242.6	266.0	290.8	316.7	343.9
90	101.2	110.7	121.3	134.0	148.4	164.7	182.1	201.5	222.6	244.7	268.0	292.2	318.3	346.9
91	99.4	109.2	119.9	132.3	146.4	162.3	179.7	199.7	220.6	243.1	266.6	291.1	318.7	347.3
921	395.0	366.5	339.8	314.5	288.8	265.1	243.2	221.0	200.4	182.0	165.2	150.0	136.2	124.0

Table CX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0
	R 800 Pi	R 801 Pi	R 802 Pi	R 803 Pi	R 804 Pi	R 805 Pi	R 806 Pi	R 807 Pi	R 808 Pi	R 809 Pi	R 810 Pi	R 811 Pi	R 812 Pi	R 813 Pi
922	240.0	261.7	284.2	308.7	334.8	362.5	391.6	421.7	452.5	483.4	515.7	550.2	584.4	618.5
93	152.0	167.4	184.0	202.5	222.8	245.0	268.7	295.2	321.4	351.1	378.6	408.8	439.8	471.6
94	230.2	251.2	273.8	298.0	324.8	352.4	381.6	413.0	444.1	477.5	511.3	545.7	578.7	610.3
95	106.0	116.2	127.7	141.1	156.2	173.1	191.5	212.8	235.2	258.9	284.6	311.8	341.2	367.0
125	165.0	164.0	164.1	163.9	161.9	160.3	157.9	155.7	152.7	150.2	147.6	145.4	142.7	139.2
126	172.4	171.4	170.5	170.4	169.1	166.9	164.7	161.5	158.5	156.5	154.0	150.9	147.5	144.2
128	277.9	255.1	234.8	214.7	192.9	175.3	159.3	144.7	131.7	121.4	112.1	103.8	97.0	91.3
132	87.4	91.9	99.1	107.8	118.6	129.7	143.2	156.9	172.7	191.6	209.9	231.1	251.3	273.7
201	835.4	809.7	782.5	754.4	723.6	691.6	660.1	628.9	593.1	560.4	527.4	491.9	459.3	430.7
202	928.3	912.4	896.9	880.5	860.0	839.3	815.2	789.8	763.5	735.5	707.1	676.6	646.9	616.0
203	958.8	957.2	953.0	946.3	938.4	927.5	915.0	898.0	879.8	857.8	833.7	807.6	780.1	749.4
204	913.9	926.4	936.3	945.0	950.6	953.9	955.3	954.0	950.6	941.9	929.0	913.8	896.6	875.2
205	798.8	823.4	846.3	867.4	887.2	904.5	920.6	935.0	946.5	955.8	957.4	957.8	955.2	947.9
206	655.6	686.4	718.3	747.4	777.3	805.7	831.6	856.9	879.9	901.3	918.3	931.3	940.3	948.9
207	542.3	574.6	607.1	639.7	673.1	704.2	734.4	764.9	793.0	819.6	844.2	866.6	886.5	903.1
208	484.2	512.9	541.6	569.3	599.6	629.2	660.2	691.3	720.7	751.1	778.6	804.9	830.2	852.2
209	703.6	710.5	713.7	715.8	716.2	713.7	710.6	705.8	698.2	687.5	674.2	660.8	646.8	629.3
210	799.8	809.3	816.2	821.4	823.2	824.1	822.5	818.6	811.6	802.3	789.7	776.2	760.8	742.5
211	882.6	894.8	901.8	909.9	914.4	917.8	918.4	916.7	910.6	901.3	889.9	876.0	859.6	839.7
212	885.4	897.3	908.0	917.8	922.8	926.5	927.8	925.8	920.7	912.1	899.2	884.9	868.3	848.3
213	812.2	821.3	830.7	837.0	841.1	843.4	842.3	838.9	832.9	823.0	811.5	797.8	781.8	763.8
214	709.7	714.2	720.2	724.6	725.5	724.5	722.2	717.3	709.3	700.9	688.2	675.0	661.5	645.1
215	383.1	355.3	330.0	305.0	281.0	257.8	236.2	214.7	194.5	176.9	160.6	145.3	132.1	119.9
216	322.9	329.5	333.5	337.9	341.8	345.7	347.4	348.8	349.4	349.1	349.7	348.3	348.1	342.2
217	331.6	336.5	342.2	347.2	351.3	353.7	356.6	358.6	358.7	359.0	357.9	354.7	353.1	347.6
218	236.5	258.7	280.6	305.5	331.2	358.8	388.3	418.8	449.1	480.8	512.6	545.7	578.8	610.5
219	170.2	172.3	172.8	175.7	175.3	175.7	176.2	177.0	177.1	177.7	178.6	178.9	180.3	179.6
220	169.7	171.3	174.0	176.3	177.8	179.0	179.1	180.9	181.1	181.8	182.6	183.4	183.5	183.5
221	133.5	132.9	133.0	133.4	133.9	134.8	135.1	136.0	136.4	137.7	138.7	140.2	142.1	142.6
222	130.7	130.4	130.5	131.6	132.1	132.3	133.0	133.7	134.2	135.3	136.5	138.1	141.3	142.4
223	126.1	128.0	129.4	130.9	132.1	133.2	133.8	135.3	136.0	136.9	138.0	138.4	138.2	139.7
224	123.7	125.4	127.6	129.1	130.4	130.9	132.2	133.6	133.9	136.2	137.5	137.7	138.2	139.9
225	287.8	263.8	242.9	221.2	201.1	182.7	165.9	150.7	137.3	125.3	114.8	106.2	98.4	91.3
226	539.2	509.0	481.1	452.0	422.9	394.5	365.9	337.4	310.5	285.3	259.8	237.0	216.0	195.9
227	614.1	582.1	549.1	514.8	479.8	447.6	416.1	386.4	358.2	331.0	305.0	279.6	255.5	232.7
228	709.5	676.1	642.1	606.1	568.8	529.1	488.7	451.1	419.0	388.9	360.2	335.2	309.9	286.5

Table CX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 800	R: 801	R: 802	R: 803	R: 804	R: 805	R: 806	R: 807	R: 808	R: 809	R: 810	R: 811	R: 812	R: 813	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	325.8	352.3	378.6	407.7	437.6	470.9	502.9	536.6	569.8	602.2	634.9	665.7	696.7	726.0	
230	114.4	125.7	138.3	152.9	169.1	187.6	207.0	229.6	252.5	277.7	304.5	332.3	360.9	389.9	
231	475.6	476.1	473.6	472.7	467.9	464.4	459.7	455.7	448.8	442.1	433.8	425.2	415.2	404.7	
232	626.7	631.5	631.6	630.8	629.1	624.4	620.3	614.1	604.7	593.7	581.5	568.2	554.0	537.6	
233	619.1	621.2	622.9	624.2	622.5	618.7	614.1	607.1	598.2	588.4	577.3	563.9	551.5	537.2	
234	475.6	475.6	475.4	472.7	468.3	464.0	459.3	452.6	445.3	438.0	429.8	420.7	410.5	400.5	
235	158.3	166.4	174.2	180.9	187.7	194.5	199.3	204.4	208.3	211.8	214.7	216.0	218.7	219.0	
236	136.3	148.9	160.7	173.6	186.4	199.4	213.0	226.4	239.0	252.9	264.9	279.1	292.7	305.4	
237	112.4	124.6	136.9	151.0	166.8	183.2	201.4	221.4	241.9	264.2	286.5	310.0	336.0	361.7	
238	108.5	119.5	131.8	145.3	160.7	177.6	196.4	217.3	239.0	262.4	287.1	313.8	341.6	368.2	
239	105.5	115.9	127.4	140.8	155.4	172.3	191.1	211.8	233.6	258.1	283.9	310.8	339.3	366.7	
240	80.8	88.4	99.1	109.3	119.9	132.4	146.8	163.1	180.6	200.4	221.8	245.1	269.2	294.7	
241	85.4	98.8	110.5	123.5	135.0	145.2	155.9	167.3	177.5	189.2	199.8	212.5	224.7	238.2	
242	57.2	50.6	45.1	41.2	38.0	36.1	34.7	33.2	31.6	30.9	29.9	29.3	28.8	28.5	
243	180.9	166.5	154.6	142.1	128.8	116.8	106.3	96.3	87.3	79.1	72.4	66.7	61.8	56.6	
244	276.6	253.6	232.4	212.3	192.7	175.0	159.1	144.2	131.2	120.1	110.2	102.1	95.2	88.9	
245	283.4	259.4	237.7	215.8	196.2	177.5	161.2	146.0	132.4	120.7	110.4	101.2	93.5	87.4	
246	206.9	206.4	206.0	204.0	203.2	201.9	200.9	199.8	198.8	198.0	197.5	197.8	199.4	198.7	
247	169.2	173.2	176.4	178.6	180.8	182.5	183.4	184.6	184.2	183.4	181.0	176.1	167.7	157.7	
248	154.4	153.5	152.0	150.6	149.3	147.7	146.0	143.7	141.4	139.8	139.1	138.6	137.8	135.7	
249	154.8	153.7	153.2	152.1	151.2	148.7	147.0	144.6	142.1	140.1	138.7	137.6	137.1	135.8	
250	128.7	140.9	147.0	145.6	142.1	136.9	130.8	126.0	120.8	115.4	109.4	102.5	96.5	92.2	
251	92.3	90.2	88.3	87.7	87.7	87.8	87.2	87.7	87.8	87.8	89.2	90.0	90.9	94.2	
252	350.4	376.2	403.2	430.6	460.2	490.5	524.6	559.5	594.4	627.5	660.5	692.0	723.6	753.0	

Table CXI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 815 Pi	R 816 Pi	R 817 Pi	R 818 Pi	R 819 Pi	R 820 Pi	R 821 Pi	R 822 Pi	R 823 Pi	R 824 Pi	R 825 Pi	R 826 Pi	R 827 Pi	R 828 Pi
2	205.7	225.8	246.8	270.6	295.3	322.3	349.4	379.6	408.5	439.5	470.7	502.2	534.2	565.9
3	269.0	273.2	277.4	281.1	285.4	288.5	290.0	291.0	292.0	289.8	289.1	286.4	283.6	280.3
4	325.6	333.9	339.2	343.8	349.4	352.4	355.4	356.7	356.9	356.6	355.3	351.9	348.1	342.8
5	275.7	276.3	276.4	276.8	277.1	276.8	276.0	275.2	273.8	271.7	269.5	265.8	260.3	254.5
6	333.6	335.6	336.7	336.8	336.9	336.0	334.9	332.1	329.2	326.1	322.5	317.9	312.5	305.8
7	283.9	280.6	278.5	275.5	272.7	269.1	265.2	262.8	259.2	255.6	252.2	248.4	243.9	240.6
8	345.8	345.1	341.5	338.3	336.0	330.7	327.2	322.2	317.2	312.8	308.0	302.6	297.9	292.3
9	359.2	332.6	306.4	281.8	260.1	236.5	215.3	196.1	177.9	162.0	147.2	132.8	120.8	109.7
10	157.2	173.0	190.0	209.5	230.8	253.4	277.5	304.4	330.1	358.1	387.9	417.7	449.4	481.4
11	217.0	218.4	220.1	221.4	223.5	224.5	224.5	225.2	224.3	222.9	221.6	218.9	214.7	209.7
12	261.9	266.0	267.8	269.7	272.2	273.0	273.8	273.2	272.9	272.4	271.3	268.6	265.0	261.5
13	219.0	219.4	219.4	219.8	220.9	221.4	220.7	221.8	221.2	220.4	220.8	219.6	217.9	216.4
14	264.3	267.0	267.8	267.9	270.0	269.3	269.5	268.3	267.4	267.1	266.8	264.3	263.0	259.7
15	229.2	226.7	224.9	223.3	222.5	219.2	216.3	214.5	211.3	208.9	207.4	204.9	202.4	201.4
16	273.0	272.4	269.9	267.1	265.9	261.9	259.7	256.3	253.3	251.3	249.9	247.9	245.7	243.5
17	367.5	338.3	311.2	281.9	255.6	228.7	205.6	184.2	166.0	154.1	142.7	127.5	111.0	101.0
19	174.4	174.9	175.9	175.0	175.7	176.0	175.5	176.0	176.5	177.7	178.4	178.2	178.7	179.5
20	217.5	217.3	215.2	215.8	216.7	216.7	216.2	216.9	216.0	216.9	220.6	221.7	222.3	221.8
21	161.1	160.9	161.2	159.1	160.3	161.8	163.3	164.1	163.5	162.2	161.3	159.8	159.7	161.3
22	195.5	196.3	196.1	195.1	196.8	198.4	199.6	200.1	200.0	199.5	199.3	199.2	200.5	200.8
23	134.6	134.4	134.4	134.5	136.2	133.9	133.6	133.5	133.8	134.3	136.3	136.1	135.5	134.5
24	164.9	165.2	163.7	162.7	162.0	159.9	158.9	156.9	157.3	158.8	161.4	162.3	163.7	164.2
25	126.8	126.3	125.1	124.9	125.6	124.8	123.5	123.1	122.3	122.3	122.8	122.1	123.5	125.6
26	157.5	156.7	154.8	153.9	154.2	152.7	151.8	150.7	150.6	151.0	152.4	151.9	152.5	153.6
43	219.0	224.9	231.3	237.4	243.6	248.4	253.1	257.1	259.4	261.2	262.7	261.6	262.5	261.4
44	254.8	264.0	271.0	277.9	285.1	290.5	295.9	299.3	302.3	305.6	309.2	309.3	310.3	308.9
67	118.0	118.8	120.1	121.2	122.5	123.0	123.4	124.2	125.1	125.9	127.7	126.9	127.1	128.5
68	146.9	147.8	149.5	151.1	153.4	153.8	155.1	155.8	157.0	158.9	162.4	164.1	165.4	164.8
85	310.9	311.4	312.7	312.9	314.0	313.4	311.9	309.9	307.6	303.5	299.1	294.2	287.7	280.5
86	378.6	382.6	384.0	384.5	385.3	384.5	383.8	381.0	378.3	374.3	370.0	363.8	357.1	349.7
87	235.9	252.4	269.1	286.2	305.7	324.8	344.7	365.4	383.9	402.3	421.8	440.6	459.9	476.5
88	260.9	281.6	301.5	323.0	345.5	366.6	390.0	412.8	434.2	456.0	477.4	497.6	518.8	537.1
89	98.8	109.0	119.3	131.9	146.0	161.3	178.2	196.8	216.5	238.0	261.2	284.3	309.4	337.0
90	102.6	113.2	124.0	136.5	151.2	167.5	185.9	206.0	226.1	248.2	272.4	297.2	324.2	351.7
91	98.0	107.7	117.8	130.6	144.9	160.4	178.4	197.3	218.3	240.3	265.0	290.5	318.5	346.1
921	393.5	366.1	339.1	312.4	288.8	263.2	240.1	218.9	200.1	182.4	167.0	150.5	136.4	124.0

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R 815 Pi	R 816 Pi	R 817 Pi	R 818 Pi	R 819 Pi	R 820 Pi	R 821 Pi	R 822 Pi	R 823 Pi	R 824 Pi	R 825 Pi	R 826 Pi	R 827 Pi	R 828 Pi	
922	239.7	261.4	284.4	309.3	334.9	363.5	392.2	421.7	451.7	482.8	515.6	550.1	584.8	619.0	
93	152.7	167.9	184.5	203.7	224.5	246.9	271.5	297.3	323.6	350.7	380.5	409.0	441.4	472.7	
94	232.7	254.4	277.4	301.8	327.3	356.4	385.7	416.1	447.3	479.8	513.1	547.6	580.7	613.3	
95	105.8	116.8	128.5	142.2	157.8	175.0	193.9	214.5	236.3	258.9	284.0	309.0	337.6	367.3	
125	146.2	144.4	144.6	146.2	146.7	144.2	142.2	139.8	137.5	134.2	132.7	131.1	129.2	125.6	
126	193.7	194.0	192.1	190.4	188.7	185.3	181.6	177.7	174.5	171.9	170.2	167.4	164.7	162.4	
128	277.0	254.9	233.0	212.2	192.1	172.6	156.3	142.2	130.3	119.9	111.4	102.7	95.9	90.5	
132	87.0	92.0	98.9	107.6	117.5	128.8	141.9	156.9	174.3	191.7	210.2	229.1	253.3	277.0	
201	832.2	805.5	779.1	750.4	721.3	688.9	656.2	624.1	591.3	558.7	524.4	488.9	456.8	428.9	
202	924.1	909.7	892.9	876.1	857.8	836.1	812.4	786.9	760.4	733.3	704.2	674.8	645.7	615.5	
203	953.1	952.0	950.3	943.7	936.3	925.7	912.1	895.4	876.8	855.1	830.9	805.4	779.0	750.2	
204	906.2	921.8	933.7	943.0	948.9	953.2	955.0	952.2	946.7	937.6	926.1	910.7	894.8	876.4	
205	792.6	819.1	843.4	866.8	887.1	904.1	920.2	934.2	943.9	950.5	953.9	953.9	951.1	950.2	
206	650.4	683.5	715.9	747.0	777.2	805.9	831.6	855.5	877.5	896.2	912.5	927.9	939.9	951.0	
207	539.3	572.7	606.1	639.7	672.7	703.8	734.6	763.7	791.0	816.7	840.5	863.5	885.8	904.6	
208	482.4	511.2	539.6	569.1	599.9	630.0	660.2	690.6	719.4	747.8	775.6	802.3	828.1	852.9	
209	669.2	673.5	676.6	678.6	679.3	677.7	673.8	669.9	664.1	655.9	644.4	630.4	614.8	597.4	
210	770.4	776.3	784.3	788.2	791.9	791.1	791.0	788.0	782.5	775.2	764.8	751.7	734.9	717.6	
211	859.9	871.0	881.4	889.6	894.1	897.1	898.8	896.6	891.2	883.6	873.6	861.9	845.1	825.7	
212	897.4	911.6	923.5	931.7	937.2	941.3	942.6	938.8	933.5	924.8	912.5	896.7	879.2	860.4	
213	840.8	851.2	859.8	865.3	868.3	870.1	869.1	864.7	858.8	849.7	837.3	821.3	804.1	786.4	
214	747.1	755.1	759.5	762.7	762.7	761.2	758.8	752.5	746.1	736.1	723.5	708.9	693.8	676.0	
215	379.5	353.1	328.0	302.4	279.0	254.9	232.1	211.8	193.5	176.4	161.2	145.4	131.5	119.6	
216	298.8	302.9	308.1	312.1	316.1	319.0	320.8	323.1	323.9	323.0	321.5	320.7	317.1	313.6	
217	361.2	369.7	374.6	379.6	384.5	386.7	389.8	391.1	390.9	390.6	388.8	385.7	382.5	378.8	
218	236.1	257.2	279.2	303.7	329.2	356.7	386.0	416.0	445.0	475.2	507.9	541.2	575.0	608.3	
219	155.0	155.2	157.0	159.1	160.3	159.8	159.9	160.8	160.7	160.3	161.0	160.8	160.5	160.4	
220	187.8	190.7	193.6	194.8	196.7	197.2	197.8	198.8	199.4	200.2	202.3	203.8	205.3	205.5	
221	121.4	121.1	121.2	122.4	123.8	124.0	124.3	124.6	124.6	124.1	125.5	126.2	127.8	128.5	
222	145.7	147.3	147.4	148.0	149.1	148.9	149.7	149.8	150.1	151.3	153.1	153.1	155.4	158.3	
223	115.3	116.7	117.5	118.6	120.4	120.6	120.9	121.6	122.1	122.8	124.3	123.4	123.8	118.0	
224	137.2	138.9	139.9	141.5	144.1	144.9	146.8	147.6	148.2	149.6	152.6	153.7	156.1	158.4	
225	287.9	283.4	240.1	219.0	200.5	181.3	164.0	149.1	135.7	123.6	114.3	104.9	97.4	90.6	
226	540.1	509.5	481.0	451.0	423.1	393.6	365.1	337.0	309.8	283.5	259.8	237.3	217.2	197.2	
227	614.9	582.5	548.8	512.8	480.0	446.8	415.9	387.3	360.0	332.6	305.5	280.1	256.8	234.1	
228	707.8	675.2	641.6	604.6	568.5	527.9	486.6	449.4	418.4	390.0	361.5	334.6	310.3	287.5	

Table CXI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 815	R 816	R 817	R 818	R 819	R 820	R 821	R 822	R 823	R 824	R 825	R 826	R 827	R 828
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	324.7	350.9	378.6	407.2	437.2	471.6	505.0	537.7	568.8	600.1	631.9	663.1	695.9	726.7
230	115.6	127.5	140.1	155.4	172.0	190.3	210.7	232.1	255.3	279.4	306.2	333.6	360.7	389.8
231	440.5	439.4	438.9	437.9	435.1	432.1	427.0	422.6	417.5	410.7	403.4	395.9	386.4	377.0
232	591.3	592.3	594.0	593.5	591.9	589.1	584.8	579.4	572.3	562.2	550.0	536.8	523.3	508.4
233	658.0	661.2	663.2	663.2	660.4	656.9	652.1	643.7	635.9	625.2	613.2	600.4	586.2	570.0
234	511.3	512.9	512.3	509.9	506.8	502.0	496.4	489.5	482.9	474.7	465.5	454.8	444.7	432.8
235	146.4	152.9	158.4	164.6	171.4	175.8	179.6	183.7	186.8	188.1	191.0	191.6	193.0	195.3
236	128.6	139.9	150.9	162.5	174.2	186.0	196.7	209.5	221.1	231.9	244.6	256.6	269.2	281.4
237	111.2	122.4	134.4	147.7	162.4	178.3	195.9	215.1	235.0	256.0	278.5	302.1	326.4	350.9
238	108.8	119.5	131.4	144.6	159.8	176.6	195.1	215.5	236.7	258.4	282.2	307.8	334.5	361.9
239	105.7	116.2	127.8	141.2	156.8	173.5	192.5	212.8	234.4	256.7	281.2	306.9	335.3	363.3
240	85.2	91.9	99.5	109.0	120.4	132.9	146.8	162.9	179.7	199.0	220.7	241.2	262.1	283.9
241	86.3	98.0	108.5	118.0	127.5	136.0	144.8	154.6	163.6	173.1	183.3	195.3	208.4	221.2
242	63.2	56.6	49.6	44.5	40.8	36.2	33.6	31.8	30.5	29.5	29.8	28.6	28.3	27.7
243	181.4	166.6	154.3	141.4	130.0	117.4	106.5	95.9	86.3	77.9	72.8	65.9	60.5	55.7
244	276.4	252.8	230.9	210.1	192.0	173.4	156.9	142.6	130.1	119.3	110.4	101.2	94.1	88.1
245	281.6	257.6	234.8	213.2	194.8	175.9	159.4	144.4	131.5	120.0	110.5	100.8	93.5	87.1
246	188.0	186.7	186.2	184.9	184.6	183.3	182.3	181.5	181.0	180.2	179.4	179.9	180.1	179.4
247	154.2	157.4	160.3	161.9	164.2	164.7	165.1	164.6	163.3	161.7	159.0	151.7	142.4	131.6
248	138.7	137.5	136.0	135.5	135.9	134.3	132.9	131.1	128.7	126.4	125.6	123.8	122.6	121.1
249	175.4	175.5	172.5	170.7	170.1	166.9	164.7	161.9	158.7	156.9	156.1	154.7	153.8	152.8
250	98.0	114.8	126.3	132.8	133.8	131.0	125.0	117.8	112.5	106.9	101.2	93.3	86.9	82.2
251	83.3	82.6	79.9	78.7	78.9	78.1	77.8	77.3	77.0	77.0	76.4	76.6	79.0	81.4
252	349.6	374.7	401.2	429.9	458.8	492.3	526.5	560.9	594.6	626.2	658.8	689.9	722.1	753.4

Table CXII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 830	R 831	R 832	R 833	R 834	R 835	R 836	R 837	R 838	R 839	R 840	R 841	R 842	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	354.8	353.3	353.1	353.2	351.6	350.4	350.6	349.8	349.8	350.2	350.3	350.7	351.3	
3	411.3	379.7	361.8	346.7	331.6	323.7	315.2	310.8	302.7	290.3	277.5	265.1	242.6	
4	246.6	271.6	284.2	297.6	311.9	318.9	325.2	332.0	339.7	355.0	371.2	387.9	420.7	
5	395.5	364.1	346.3	331.8	316.1	308.0	300.3	296.1	288.1	275.9	263.8	251.8	231.5	
6	231.5	254.4	266.2	279.3	292.4	299.1	305.3	312.1	319.0	334.9	350.1	366.9	399.7	
7	380.9	350.6	333.0	320.5	303.4	296.8	289.1	285.1	277.4	265.6	253.7	242.5	223.0	
8	227.0	248.9	261.0	273.4	285.6	292.4	297.9	305.0	311.3	326.4	342.3	358.2	391.5	
9	215.1	217.8	217.5	216.7	216.4	216.2	215.0	215.1	215.4	214.9	215.3	215.6	216.6	
10	283.7	282.8	281.7	277.9	277.9	277.7	276.8	277.3	277.7	278.2	279.3	280.1	280.4	
11	332.5	302.5	289.5	274.4	258.6	253.2	248.1	240.9	236.7	224.7	214.7	204.7	184.0	
12	184.2	202.3	216.3	225.4	236.9	242.3	249.7	255.4	261.0	273.4	288.5	301.7	332.5	
13	325.6	296.5	283.5	268.5	254.2	249.6	243.5	236.9	232.5	220.9	211.0	201.4	182.6	
14	181.6	199.7	212.0	222.2	233.1	239.1	245.6	251.3	256.5	269.4	283.5	296.6	326.9	
15	318.9	290.2	277.5	262.3	248.6	244.8	238.5	232.1	227.5	216.3	207.3	196.9	179.1	
16	175.9	192.9	204.7	214.8	225.3	230.6	237.1	242.3	247.8	259.0	273.6	286.1	314.9	
17	209.0	209.7	208.9	207.8	206.9	206.6	204.5	204.2	204.7	205.3	206.7	207.6	208.2	
19	265.3	238.4	224.9	212.5	204.1	198.4	194.1	189.3	184.1	176.0	167.5	158.8	145.8	
20	146.8	158.4	167.2	177.6	186.4	190.9	196.1	200.2	206.8	216.4	227.6	239.6	266.8	
21	245.3	220.2	209.9	199.4	190.1	185.3	179.7	174.9	170.1	164.0	154.8	147.0	133.1	
22	134.3	147.7	154.6	162.8	171.9	176.1	181.0	186.3	195.2	199.7	210.3	219.9	244.0	
23	201.2	182.8	171.0	163.4	155.4	151.9	147.5	143.2	142.8	133.8	126.1	121.4	108.8	
24	105.6	118.0	122.9	128.1	135.3	137.7	142.9	147.4	152.0	159.0	165.4	175.0	193.9	
25	184.1	169.0	159.7	151.1	144.2	140.0	137.1	132.2	133.7	123.8	118.3	111.6	102.7	
26	103.2	111.9	117.9	123.2	128.9	131.2	135.5	138.3	145.3	152.0	160.4	168.0	184.7	
43	363.2	333.4	320.0	304.1	288.8	282.1	277.4	270.5	265.2	253.0	242.0	229.4	209.4	
44	202.2	221.8	234.2	246.4	256.6	263.9	271.2	275.7	282.4	296.0	310.1	324.8	354.9	
67	184.1	169.7	160.8	151.4	144.4	139.9	137.1	132.9	131.1	123.6	118.6	111.4	102.3	
68	104.4	114.3	120.5	125.0	131.3	134.2	139.2	141.2	146.4	154.9	163.9	172.4	187.3	
85	439.0	406.4	387.8	373.1	355.5	347.3	338.0	333.5	325.6	312.3	299.0	287.0	261.0	
86	266.2	295.5	308.6	321.9	336.5	343.7	350.7	357.9	366.6	383.3	401.0	417.6	452.8	
87	427.4	407.8	395.3	385.6	374.6	368.6	362.4	357.9	353.5	344.9	334.3	326.9	306.7	
88	313.0	334.3	342.4	351.5	361.6	364.4	370.0	374.5	379.6	390.1	400.8	410.7	432.1	
89	195.4	189.3	187.4	185.4	184.5	182.9	180.7	179.2	178.6	178.4	176.8	175.2	172.4	
90	173.4	176.1	178.2	179.9	181.3	181.9	183.4	184.4	185.6	186.2	186.1	189.1	196.1	
91	182.3	180.6	180.8	180.1	180.4	180.8	180.7	180.1	178.9	178.2	179.7	180.4	181.2	
921	241.6	242.6	242.5	241.9	241.8	241.9	241.3	241.2	240.3	240.1	240.9	241.2	242.8	

Table CXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-8.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 830 Pi	R: 831 Pi	R: 832 Pi	R: 833 Pi	R: 834 Pi	R: 835 Pi	R: 836 Pi	R: 837 Pi	R: 838 Pi	R: 839 Pi	R: 840 Pi	R: 841 Pi	R: 842 Pi
922	393.8	393.7	394.2	394.3	393.4	392.8	393.6	392.9	392.6	392.4	392.7	393.6	393.8
93	275.7	275.0	274.0	270.5	270.7	269.9	270.0	270.2	270.3	271.6	272.7	273.9	274.3
94	376.7	378.6	380.7	382.2	382.7	382.7	383.4	383.8	384.3	385.9	388.3	389.8	392.8
95	193.9	193.5	194.4	194.5	194.0	192.8	192.8	192.6	192.7	194.4	196.0	196.2	197.6
125	214.0	190.9	183.0	174.6	166.1	161.9	158.3	153.5	148.8	142.6	135.8	130.3	118.1
126	122.4	135.7	142.2	147.9	155.7	161.0	164.5	169.0	173.9	181.6	191.2	200.3	221.4
128	156.9	156.8	156.7	156.6	157.7	158.3	158.1	157.7	157.6	156.2	155.4	154.9	155.9
132	140.0	141.2	140.9	141.1	143.1	144.5	144.4	144.4	142.9	142.0	142.2	142.0	141.6
201	656.6	660.9	661.1	659.5	659.6	659.1	657.7	657.2	657.3	655.6	657.5	653.0	649.4
202	810.2	816.6	816.5	816.6	816.3	815.5	814.3	814.9	815.9	812.2	812.5	809.3	805.1
203	908.9	915.1	916.0	916.1	914.9	914.4	913.0	915.2	915.4	911.8	912.5	908.8	905.8
204	953.1	959.4	960.1	959.5	958.3	957.3	956.0	957.0	958.0	954.9	956.4	952.3	948.9
205	919.7	924.7	926.7	925.0	922.8	922.7	922.5	923.9	923.4	920.4	923.7	920.2	917.4
206	832.5	836.7	837.7	836.1	834.2	833.7	833.9	834.2	833.6	831.7	833.8	831.5	827.9
207	733.6	736.7	738.2	737.3	736.4	735.3	736.2	736.4	736.9	734.7	736.4	735.4	732.0
208	659.4	662.7	664.3	662.7	661.8	661.6	660.7	661.0	662.0	660.3	660.6	661.4	657.7
209	811.1	781.4	763.0	745.8	726.8	719.2	709.8	699.6	691.0	674.9	656.8	643.1	609.0
210	900.5	878.9	865.3	850.6	835.4	828.8	822.2	814.9	806.3	791.1	778.4	764.8	736.4
211	957.9	949.9	943.7	935.2	926.2	922.1	918.6	914.0	909.1	898.5	892.5	883.1	865.9
212	880.8	900.6	909.3	915.9	921.6	924.0	929.2	931.6	937.2	942.2	951.1	951.7	964.2
213	763.5	793.4	805.8	817.1	829.6	835.1	842.9	848.9	856.8	869.4	882.6	890.7	914.7
214	619.7	656.2	673.2	688.8	705.2	712.8	722.2	731.7	740.4	758.9	774.4	791.5	824.1
215	238.0	236.1	237.8	235.9	235.5	235.1	234.3	233.6	233.0	231.8	231.8	231.2	231.6
216	447.4	415.3	396.3	382.3	364.8	357.1	347.2	342.5	334.8	320.8	307.1	295.7	271.1
217	273.2	301.8	314.2	328.4	342.6	349.0	356.6	363.6	372.1	389.3	407.1	423.7	459.3
218	400.5	396.9	396.7	394.1	392.1	390.7	390.3	388.0	387.5	386.2	385.6	384.2	380.9
219	241.2	216.1	206.1	195.3	185.9	181.6	176.4	171.6	167.3	160.3	151.6	143.8	129.9
220	133.3	147.1	152.0	160.7	170.4	174.6	179.3	184.4	189.4	197.3	208.0	218.6	242.3
221	184.6	166.5	158.2	150.4	143.3	139.0	135.3	132.8	128.6	124.2	117.3	110.6	100.9
222	99.8	109.1	115.8	122.3	128.0	131.6	133.0	137.2	141.0	149.3	157.7	166.4	183.1
223	181.1	163.8	155.5	147.4	140.3	136.4	133.6	129.1	125.8	120.9	113.3	107.6	96.7
224	97.2	106.7	113.9	120.3	124.9	129.2	132.8	134.9	139.8	146.5	155.3	163.6	181.3
225	163.4	164.9	165.1	165.8	165.3	165.6	164.8	164.8	164.5	164.0	163.7	164.1	162.2
226	358.8	363.4	364.1	364.5	364.4	364.0	363.9	363.9	363.9	365.0	364.4	364.1	363.7
227	412.4	415.2	415.9	415.3	414.5	414.6	414.2	414.3	414.5	415.6	416.8	416.8	417.5
228	484.0	486.8	486.1	486.2	485.8	485.8	485.9	485.9	485.4	486.9	487.4	486.9	484.4

Table CXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 830	R 831	R 832	R 833	R 834	R 835	R 836	R 837	R 838	R 839	R 840	R 841	R 842
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	505.6	506.1	506.9	506.4	505.9	504.9	505.3	504.3	505.1	504.7	506.1	505.8	504.1
230	212.0	211.9	211.2	210.9	209.0	208.6	208.4	209.7	209.4	210.6	210.6	211.5	211.4
231	571.0	534.6	515.0	494.8	479.3	470.0	459.2	449.2	442.5	427.3	413.2	398.9	372.0
232	725.6	693.3	675.5	655.4	637.8	629.4	618.8	608.8	598.8	584.7	567.0	551.8	519.8
233	506.4	544.9	562.3	579.4	595.4	604.2	613.8	622.4	633.9	652.1	668.5	687.5	722.1
234	365.9	397.0	412.4	428.0	443.1	450.4	458.1	469.3	478.3	496.7	515.4	534.8	570.5
235	266.1	243.2	230.0	221.2	211.1	205.1	199.9	194.8	189.7	180.0	170.6	162.9	148.0
236	262.3	245.1	235.8	228.8	220.7	217.4	213.1	209.6	205.6	197.8	189.4	183.9	169.9
237	223.5	217.6	213.4	208.8	205.1	203.2	202.4	200.9	199.8	196.3	192.2	189.4	183.3
238	211.4	208.1	205.5	203.0	199.7	198.2	197.1	197.3	197.0	195.6	192.8	191.7	187.7
239	197.1	196.2	196.4	194.5	193.0	192.2	192.4	191.3	191.8	192.8	192.5	192.4	192.5
240	143.1	142.3	142.9	147.9	147.6	147.4	147.6	147.5	147.8	146.8	146.7	145.9	140.3
241	189.4	179.2	173.9	168.5	161.5	160.0	156.2	154.0	151.6	145.1	141.1	132.8	121.9
242	38.0	37.1	35.3	33.9	34.3	34.5	34.4	34.1	33.7	33.4	34.4	35.5	37.0
243	104.2	104.7	105.4	106.7	106.3	106.0	105.4	106.2	106.7	106.4	104.9	104.6	104.4
244	155.2	156.0	157.5	157.5	158.2	158.4	157.8	158.1	157.6	156.8	156.4	155.9	155.5
245	156.3	158.7	159.5	158.7	159.3	159.5	159.8	159.2	159.0	159.0	159.4	158.3	157.1
246	273.7	247.8	234.1	221.3	212.7	206.2	201.0	196.2	191.9	182.4	172.9	164.3	151.0
247	249.5	225.5	212.1	204.3	194.7	188.3	183.4	178.8	174.6	165.1	156.0	148.1	133.0
248	196.4	178.7	169.8	161.8	154.1	150.7	145.4	143.3	139.3	132.9	126.3	122.6	108.4
249	109.8	122.8	127.4	133.8	139.4	143.0	147.2	152.4	155.7	164.6	172.2	181.6	199.8
250	170.1	156.4	149.9	141.2	135.7	132.6	130.2	127.9	126.1	125.2	121.3	118.3	111.8
251	119.7	108.5	102.3	96.6	91.2	89.1	87.7	85.1	83.1	77.7	73.6	71.2	65.4
252	524.9	525.7	527.9	526.8	526.0	525.5	527.0	526.6	527.7	527.1	527.2	528.2	526.3

Table CXIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$
Upright, Pressures in psf

Ori- fice ID	Nominal β	
	$.0^\circ$	2.0°
	R 892 P1	R 893 P1
2	408.5	410.0
3	319.3	292.8
4	327.6	357.0
5	300.6	275.2
6	302.2	329.7
7	285.5	261.2
8	292.7	318.2
9	179.5	179.3
10	329.0	332.2
11	249.5	226.3
12	249.9	273.7
13	244.8	222.8
14	246.0	268.4
15	233.9	213.3
16	233.1	254.1
17	167.5	167.4
19	196.3	178.6
20	198.5	217.6
21	181.1	165.4
22	183.3	201.1
23	148.9	135.7
24	142.3	159.1
25	137.4	124.2
26	135.7	152.1
43	287.2	262.2
44	278.1	303.8
67	140.1	126.7
68	141.3	158.1
85	334.4	309.7
86	345.4	378.0
87	402.9	385.6
88	411.9	434.3
89	220.7	217.9
90	223.1	227.1
91	220.7	220.1
921	201.3	201.5

Table CXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 892 P: 893	R: 893 P: 893
922	451.6	452.8
93	321.8	324.9
94	444.5	448.5
95	236.0	237.7
125	153.8	138.9
126	160.1	176.0
128	132.8	131.7
132	175.2	175.9
201	596.0	592.9
202	766.1	762.5
203	882.5	878.4
204	953.0	948.4
205	949.6	945.6
206	881.5	879.2
207	794.1	792.5
208	722.1	720.7
209	699.4	667.9
210	813.4	785.5
211	912.4	893.5
212	923.0	935.0
213	833.5	859.6
214	710.8	746.8
215	195.5	194.5
216	349.8	325.3
217	359.3	390.7
218	449.4	446.5
219	178.6	161.8
220	181.9	200.1
221	137.9	125.7
222	135.0	150.4
223	136.9	123.5
224	134.7	148.6
225	138.5	136.6
226	311.1	309.7
227	358.8	360.2
228	420.2	419.1

Table CXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 2.70$, $q_\infty = 500.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 892 P1	R: 893 P1
229	569.9	570.5
230	253.9	257.1
231	450.1	419.6
232	606.4	573.5
233	598.9	636.0
234	446.5	482.6
235	209.7	188.4
236	240.6	222.6
237	243.3	237.0
238	240.0	237.7
239	235.1	235.2
240	181.3	181.2
241	179.3	165.3
242	32.5	31.1
243	87.9	86.7
244	132.2	130.9
245	133.4	132.4
246	200.8	182.4
247	185.9	166.2
248	142.6	130.2
249	142.4	159.3
250	121.5	113.5
251	88.3	78.3
252	594.3	594.9

Table CXIV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 342	R: 343	R: 344	R: 345	R: 346	R: 347	R: 348	R: 349	R: 350	R: 351	R: 352	R: 353	R: 354	R: 355
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	110.2	120.6	132.3	145.6	160.1	174.7	190.5	208.0	224.4	243.2	261.1	280.4	299.2	316.5
3	157.7	160.8	163.1	165.7	167.6	168.4	171.5	171.5	171.4	171.4	169.9	169.0	167.6	165.4
4	160.8	163.7	167.4	171.3	173.7	174.2	177.6	177.0	177.6	178.0	176.4	175.7	173.1	172.6
5	162.0	162.3	161.9	162.7	162.8	160.9	162.6	160.6	159.6	159.3	156.7	155.2	152.2	149.1
6	163.3	164.1	165.0	166.2	166.2	164.5	165.5	163.7	162.5	161.1	158.8	156.6	153.5	151.4
7	166.6	164.7	162.7	161.4	159.4	157.6	155.2	153.2	150.9	149.4	146.4	143.8	142.2	139.6
8	170.1	168.0	167.1	166.5	164.9	162.5	160.5	158.1	155.9	153.8	151.1	148.2	145.9	144.0
9	195.7	179.3	164.9	151.5	138.5	125.4	113.8	102.3	92.5	83.8	75.3	67.6	61.7	56.1
10	81.7	90.1	99.7	110.7	123.0	135.2	149.0	164.1	179.8	196.6	213.3	230.8	248.6	265.9
11	141.9	141.5	140.1	139.0	137.8	136.3	135.6	134.9	134.5	134.4	133.1	131.8	130.3	127.1
12	143.6	143.2	143.2	143.6	142.8	141.4	140.4	138.5	137.9	137.8	136.1	134.0	132.6	131.4
13	134.9	133.5	131.7	130.9	130.1	129.2	129.2	129.0	129.0	129.2	128.9	128.5	128.6	127.5
14	138.0	135.6	135.0	134.8	133.6	132.4	132.5	131.6	131.2	131.6	130.6	129.5	129.1	128.9
15	132.6	131.2	129.5	128.5	127.4	125.5	124.7	122.6	121.4	120.2	118.2	117.1	116.5	115.2
16	130.7	129.1	128.6	128.3	127.6	125.5	125.0	123.0	122.3	121.7	120.3	119.0	118.3	118.2
17	193.4	173.7	159.0	143.7	130.1	116.2	105.0	93.0	83.6	75.3	67.0	59.8	55.1	49.9
19	93.7	97.0	96.9	97.7	98.1	97.9	99.4	98.7	99.7	100.2	100.2	100.4	101.5	100.9
20	97.0	97.2	98.5	99.2	99.5	99.6	101.2	100.5	101.7	102.8	102.8	102.9	102.9	102.4
21	87.9	87.1	86.8	87.3	88.1	88.0	89.5	88.8	88.4	88.4	87.9	87.5	88.4	88.8
22	87.0	86.4	87.1	88.3	89.0	89.1	90.4	89.8	89.9	90.1	89.6	89.0	89.3	90.4
23	72.9	72.5	72.3	72.8	72.6	71.6	72.2	71.6	72.0	72.8	73.1	73.2	74.4	74.7
24	72.6	71.9	72.2	72.9	72.9	71.2	71.4	70.7	71.0	72.0	71.9	72.3	73.6	74.7
25	67.7	67.0	66.2	66.4	66.2	64.8	65.7	64.6	64.7	65.2	64.9	64.9	66.4	67.5
26	66.8	66.1	66.1	66.4	66.0	64.5	65.3	63.9	64.2	65.1	64.9	64.7	66.1	67.8
43	128.0	130.9	133.7	137.7	140.8	142.9	147.3	149.0	150.9	153.1	154.1	154.0	155.0	154.5
44	129.1	130.2	133.0	137.2	140.3	142.1	146.2	147.6	149.9	152.0	152.5	152.9	153.7	155.0
67	63.0	63.5	63.6	64.7	65.0	63.8	66.3	65.8	67.0	68.9	69.2	69.0	70.6	70.3
68	62.7	63.0	63.6	65.3	65.6	64.7	66.8	66.4	67.9	69.9	70.2	70.7	71.8	72.8
85	184.1	185.2	185.1	185.7	185.6	184.9	184.9	183.8	182.0	179.9	176.6	173.7	170.3	165.4
86	189.3	190.2	191.7	192.7	193.0	192.7	192.0	190.4	189.2	187.8	185.0	182.2	178.6	174.9
87	133.4	143.4	153.2	164.0	174.8	186.0	198.7	210.6	222.7	234.4	246.1	258.5	269.2	278.4
88	134.0	143.9	154.5	166.9	178.8	190.2	203.7	216.4	228.5	241.6	252.9	265.1	276.3	287.5
89	47.3	52.7	58.1	65.4	73.4	81.1	91.4	101.5	113.5	126.6	139.8	154.7	169.6	183.7
90	47.6	52.8	58.6	66.0	73.9	81.8	92.2	102.7	114.7	127.7	140.9	155.2	169.6	184.6
91	47.4	52.1	57.5	64.6	72.5	80.0	90.7	100.9	113.3	126.4	140.3	155.0	170.5	185.3
921	214.9	198.9	183.6	169.1	154.7	140.7	129.3	116.3	105.9	95.9	86.2	77.9	70.7	64.4

Table CXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 342 Pi	R: 343 Pi	R: 344 Pi	R: 345 Pi	R: 346 Pi	R: 347 Pi	R: 348 Pi	R: 349 Pi	R: 350 Pi	R: 351 Pi	R: 352 Pi	R: 353 Pi	R: 354 Pi	R: 355 Pi
922	130.0	142.2	155.0	169.0	184.0	199.8	216.6	233.5	250.5	270.2	287.2	306.8	325.8	344.9
93	79.2	87.5	97.0	107.7	119.4	131.3	146.2	159.9	176.1	192.8	209.1	226.4	243.8	260.1
94	124.9	136.6	149.0	163.1	178.2	193.1	210.9	228.3	246.4	264.9	283.7	303.2	323.3	342.0
95	51.0	56.9	63.1	71.1	79.4	87.5	98.9	109.5	122.0	135.8	149.4	165.2	180.7	197.8
125	80.7	79.6	79.9	80.0	79.4	77.4	78.0	75.3	74.3	73.2	71.5	70.8	70.0	68.7
126	85.4	84.4	84.2	84.7	84.2	81.7	81.9	79.1	78.0	77.1	75.2	73.9	72.9	72.7
128	145.8	132.0	119.7	108.1	97.1	85.9	78.6	69.2	62.7	57.2	51.5	47.6	43.7	41.3
132	39.8	42.5	45.9	50.8	56.0	61.0	69.8	77.2	87.6	99.2	109.8	122.5	135.8	149.9
201	479.7	464.4	449.1	432.7	415.0	396.7	377.9	358.8	338.3	319.8	299.0	279.9	261.8	245.7
202	536.7	529.0	520.5	511.9	499.3	486.5	472.2	456.7	439.3	423.3	405.2	388.4	370.2	352.9
203	556.0	556.5	555.1	552.1	547.3	540.3	533.3	523.6	510.4	497.3	482.4	466.5	448.3	432.4
204	530.2	538.4	545.2	550.3	554.7	556.2	556.8	557.1	553.0	547.8	540.0	530.6	519.3	508.0
205	459.0	474.0	488.8	502.7	514.4	525.6	535.7	543.5	548.5	553.8	555.4	555.4	553.9	551.3
206	372.8	391.0	409.8	427.9	445.6	463.2	479.7	495.2	507.6	519.9	530.5	538.6	544.9	549.3
207	306.2	323.9	344.0	363.4	382.6	401.6	419.4	437.7	453.6	470.2	485.5	498.9	510.5	519.5
208	270.7	288.4	305.7	322.9	339.9	357.7	375.1	393.8	410.3	427.4	443.7	461.0	475.5	487.8
209	401.2	404.9	406.7	407.7	407.7	406.5	405.5	403.0	397.4	391.5	384.3	377.2	366.8	356.5
210	459.6	465.2	469.4	471.6	473.9	474.1	473.8	472.3	467.8	461.7	453.7	445.8	435.6	424.4
211	509.4	517.0	523.3	527.3	530.4	532.6	532.9	532.9	528.2	523.2	515.6	507.4	496.1	485.1
212	514.6	521.2	528.4	533.8	536.7	538.9	540.3	539.3	535.8	530.2	522.8	514.3	503.1	492.3
213	470.0	475.2	480.8	484.5	486.0	488.1	487.6	486.3	482.1	477.1	470.1	460.5	449.7	439.8
214	405.7	408.9	412.6	414.5	414.9	414.9	414.0	411.2	406.7	402.5	394.9	387.9	378.4	369.5
215	207.8	191.8	177.2	163.8	149.9	136.5	124.0	112.5	101.5	92.4	82.9	74.6	68.3	61.9
216	177.2	179.9	182.1	185.0	186.9	188.7	189.9	191.3	191.4	192.2	190.6	190.0	188.8	186.1
217	181.1	183.7	187.1	190.3	192.8	194.2	195.7	196.9	197.2	197.6	196.8	195.5	193.3	191.8
218	128.5	139.8	152.7	166.9	181.9	197.2	213.3	231.6	249.0	267.4	285.5	303.9	323.4	342.0
219	84.3	84.9	85.3	86.2	86.8	86.9	87.3	87.9	88.6	89.6	88.9	89.4	90.2	89.4
220	84.6	85.4	86.3	88.1	88.7	88.5	89.6	89.7	90.2	90.8	90.5	91.2	91.7	91.2
221	63.6	63.5	63.2	63.9	64.4	63.9	64.6	64.6	65.3	66.4	66.2	67.5	69.2	69.0
222	62.1	61.8	62.3	63.1	63.7	63.1	63.9	63.8	64.7	65.8	65.6	66.3	68.3	69.2
223	60.1	60.5	61.0	61.9	62.9	62.9	63.9	64.5	65.8	67.0	67.2	67.3	68.7	68.5
224	58.5	58.7	59.7	60.7	62.1	62.2	63.2	63.4	64.7	66.5	66.5	67.0	69.3	70.8
225	153.8	139.9	127.0	115.3	104.4	93.3	85.0	75.7	68.8	62.4	55.9	50.2	46.9	43.4
226	299.9	282.5	266.5	249.9	232.9	216.0	199.0	182.6	166.4	152.6	138.6	126.7	114.2	104.1
227	342.7	323.4	304.5	285.3	266.6	248.5	230.6	213.5	196.1	181.3	165.6	152.7	138.3	126.3
228	399.4	380.2	361.0	339.8	318.0	295.2	273.1	253.7	234.4	217.7	201.2	188.2	172.8	160.2

Table CXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 342	R: 343	R: 344	R: 345	R: 346	R: 347	R: 348	R: 349	R: 350	R: 351	R: 352	R: 353	R: 354	R: 355	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	180.3	194.9	210.6	226.7	244.3	262.2	281.2	301.0	319.0	339.0	356.4	375.4	392.7	409.2	
230	57.6	63.8	70.7	78.8	88.1	96.9	109.5	120.7	134.3	148.2	162.4	177.9	194.5	211.5	
231	265.1	265.2	264.7	263.0	261.8	259.2	256.7	253.7	249.2	246.3	240.3	236.4	229.7	222.8	
232	353.7	356.0	356.9	355.9	354.9	353.2	351.0	346.9	341.2	334.9	327.7	320.8	311.1	301.1	
233	349.7	351.7	353.0	353.4	352.7	350.6	348.2	344.7	339.5	334.1	327.3	321.2	312.1	305.0	
234	266.4	266.5	266.1	265.5	263.4	261.0	258.0	253.9	249.4	245.5	239.6	235.3	228.0	222.8	
235	81.4	84.7	87.9	91.6	95.6	97.7	101.6	103.6	106.7	108.7	109.7	109.9	108.3	109.0	
236	69.1	75.1	80.7	88.0	95.0	101.1	109.2	115.3	122.6	128.8	136.0	145.2	155.4	164.0	
237	55.4	61.2	67.6	75.6	84.2	92.4	104.1	114.5	126.5	139.1	151.8	165.5	181.1	195.1	
238	53.0	58.9	65.5	73.5	82.0	90.3	101.6	111.9	124.5	137.8	151.1	166.3	182.0	198.0	
239	51.4	57.1	63.2	71.0	79.4	87.0	98.7	109.3	121.7	135.1	149.3	164.6	181.1	197.8	
240	38.2	41.3	45.8	51.4	57.6	63.1	72.2	80.3	90.5	102.2	113.4	126.2	139.8	154.1	
241	42.0	46.5	52.5	59.4	65.5	69.7	77.1	82.0	88.1	95.2	101.4	108.5	116.7	123.0	
242	28.2	25.5	23.2	21.8	20.6	17.4	17.5	15.2	15.2	15.4	14.4	14.1	14.5	14.4	
243	104.7	94.9	86.0	79.0	70.8	61.9	57.1	50.1	44.4	40.4	36.2	32.8	30.8	28.1	
244	145.8	132.5	119.8	109.0	98.1	86.9	79.3	70.2	63.5	58.0	51.9	47.3	44.5	41.4	
245	148.9	135.1	122.0	111.2	99.9	88.3	80.8	71.5	64.3	58.9	52.6	48.1	44.7	40.9	
246	113.0	111.7	107.9	106.7	104.0	98.8	98.2	96.0	96.7	98.5	98.4	98.9	98.7	99.3	
247	83.8	85.4	86.8	89.0	90.3	90.8	91.8	91.9	91.4	91.5	89.0	86.7	84.3	80.2	
248	75.5	74.9	73.9	73.7	73.1	71.8	70.9	69.6	68.4	68.2	67.1	67.1	67.4	66.4	
249	75.7	74.8	74.4	74.4	73.6	72.2	71.2	70.1	68.8	68.2	67.0	67.4	67.5	67.2	
250	60.6	66.8	68.4	69.1	68.9	66.3	62.2	59.5	57.3	55.2	51.2	48.9	47.3	43.6	
251	42.5	41.8	40.4	40.9	41.1	40.0	39.7	39.7	40.2	40.5	40.8	41.6	43.1	43.8	
252	195.0	209.7	225.9	241.6	258.8	276.0	294.3	314.7	333.8	353.5	372.3	391.8	408.9	424.6	

Table CXV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 393 Pi	R: 379 Pi	R: 380 Pi	R: 381 Pi	R: 382 Pi	R: 383 Pi	R: 384 Pi	R: 385 Pi	R: 392 Pi	R: 387 Pi	R: 388 Pi	R: 389 Pi	R: 390 Pi	R: 391 Pi
2	181.1	199.2	219.1	241.0	264.1	289.6	317.5	347.0	376.4	405.1	435.9	466.3	496.8	527.1
3	286.4	291.5	297.1	302.4	307.1	312.8	315.1	316.1	316.7	315.6	313.8	311.4	307.9	305.1
4	240.7	247.4	252.0	255.7	258.2	261.9	262.1	262.8	264.8	263.7	263.3	260.9	257.2	256.5
5	295.4	296.4	297.3	298.7	298.8	301.3	299.6	297.4	295.5	293.1	290.0	286.1	281.1	275.7
6	244.8	247.1	247.6	248.0	246.6	246.7	244.4	241.5	242.1	239.2	236.4	232.3	227.4	225.5
7	305.3	301.3	299.6	297.0	294.5	291.5	288.4	283.8	279.1	274.0	270.8	266.9	261.7	257.2
8	256.0	254.9	252.2	249.1	245.5	242.6	238.5	234.9	232.7	228.5	226.0	222.4	217.8	215.2
9	323.8	298.6	275.4	251.6	229.7	209.6	188.4	169.2	152.8	136.7	123.9	111.5	100.0	91.5
10	134.2	148.8	165.8	183.6	203.1	224.5	247.7	273.1	299.5	325.6	354.5	383.6	414.5	444.3
11	262.3	260.8	260.2	258.3	257.7	257.8	255.5	253.7	252.6	251.2	249.4	246.9	241.7	236.4
12	212.9	213.3	213.5	211.6	209.5	209.4	206.1	203.6	203.8	202.1	201.1	197.0	191.5	188.8
13	250.3	246.5	245.4	243.4	242.6	243.3	242.8	241.6	241.2	240.8	240.8	240.9	239.2	237.6
14	204.3	202.8	201.5	198.5	195.9	196.2	194.5	193.2	194.0	193.2	193.5	191.8	189.8	189.2
15	245.0	242.4	242.4	240.5	237.8	236.8	233.9	229.5	226.8	223.7	221.5	219.4	216.6	214.4
16	194.6	193.4	193.1	191.3	188.7	187.5	184.1	181.6	181.4	179.8	178.3	177.6	174.8	175.3
17	325.2	294.5	270.1	244.5	218.9	197.7	175.2	155.0	138.0	123.5	111.0	100.2	89.2	82.0
19	175.3	180.3	183.2	184.0	184.6	187.1	187.4	187.0	187.5	188.2	189.1	191.0	190.6	190.9
20	142.6	145.4	147.1	148.2	147.4	149.8	148.7	148.8	150.6	151.8	152.5	153.0	151.3	151.0
21	163.5	162.1	164.0	164.8	166.5	169.8	169.2	169.2	169.7	168.2	167.5	167.9	167.5	168.1
22	129.0	130.0	131.4	132.0	131.9	133.9	133.0	132.4	133.4	133.2	133.0	133.5	132.8	135.7
23	134.5	134.4	136.1	136.5	136.9	138.4	136.3	136.4	136.4	136.5	137.3	139.8	139.3	140.2
24	107.0	107.6	108.1	108.1	106.9	106.6	103.3	104.3	105.5	105.3	106.1	107.2	106.5	108.7
25	125.8	125.7	125.6	124.9	124.1	125.7	124.3	122.8	123.4	122.8	122.8	124.4	124.6	126.6
26	100.1	100.7	100.6	99.5	98.4	99.6	97.3	96.5	97.6	97.0	96.7	97.5	97.7	100.9
43	236.1	240.4	246.5	253.7	260.9	268.9	274.3	277.6	282.4	284.2	286.6	287.8	286.3	286.4
44	191.1	194.4	198.5	202.7	206.8	212.3	214.2	217.4	222.1	223.8	225.6	226.7	226.3	229.1
67	116.4	117.4	118.6	119.9	121.4	124.5	125.0	125.5	127.2	128.4	130.6	131.8	131.8	132.4
68	93.1	95.7	96.8	97.8	98.0	100.7	99.5	100.1	102.7	103.3	104.0	104.9	104.4	106.5
85	334.4	334.7	336.8	338.3	338.9	340.0	339.1	336.3	333.4	329.0	324.7	319.4	312.0	303.8
86	286.1	288.0	289.6	290.1	288.4	288.4	285.9	283.1	282.5	279.4	276.3	271.5	265.7	261.6
87	234.5	251.3	271.2	290.4	310.0	330.8	352.5	374.1	394.5	415.1	435.5	454.8	473.2	490.8
88	207.6	224.0	241.8	260.0	277.0	296.1	316.0	335.4	356.6	376.1	396.2	414.4	431.6	450.1
89	80.5	89.0	100.9	112.5	125.0	141.2	157.7	176.1	197.3	217.9	240.5	264.3	288.4	313.9
90	77.6	86.4	97.7	108.7	120.6	135.7	150.7	168.2	187.8	207.8	229.0	254.2	276.6	301.7
91	77.5	86.2	97.7	109.1	121.1	136.9	152.0	170.5	190.3	211.5	233.8	257.7	282.1	309.8
921	356.7	330.5	306.6	281.8	256.9	235.7	212.6	191.4	173.8	156.6	141.7	128.5	114.5	104.8

Table CXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 393 Pi	R: 379 Pi	R: 380 Pi	R: 381 Pi	R: 382 Pi	R: 383 Pi	R: 384 Pi	R: 385 Pi	R: 392 Pi	R: 387 Pi	R: 388 Pi	R: 389 Pi	R: 390 Pi	R: 391 Pi
922	214.0	233.7	255.6	278.7	303.0	329.9	357.5	386.5	416.8	446.5	478.3	509.2	542.2	573.8
93	129.5	143.7	160.9	178.5	196.6	218.6	240.6	265.2	291.6	317.9	345.9	375.1	404.9	434.6
94	203.1	222.0	244.5	267.4	290.9	318.3	345.2	374.2	405.0	436.1	468.0	500.8	532.8	565.1
95	84.1	93.9	105.9	117.7	130.9	148.2	164.6	183.8	206.0	228.0	250.3	275.8	301.1	328.3
125	150.8	150.2	152.0	151.3	150.1	149.8	146.3	142.9	140.8	137.5	135.8	134.8	131.5	130.5
126	127.8	125.6	125.3	125.5	124.2	123.7	120.8	117.6	117.0	113.9	112.2	110.6	107.8	109.3
128	244.2	222.0	201.5	180.7	161.2	146.1	129.8	115.0	104.9	94.4	85.5	78.8	71.8	68.6
132	64.0	69.3	75.3	82.2	91.1	102.9	114.2	128.0	144.1	161.6	181.0	201.8	221.3	242.3
201	795.8	772.1	743.5	715.4	686.7	655.3	624.8	592.0	559.8	527.4	494.8	461.8	432.2	407.0
202	888.0	876.1	860.1	843.4	825.0	803.1	780.1	752.4	728.0	700.9	674.0	645.4	614.8	587.3
203	916.6	918.6	916.2	911.3	904.3	892.6	878.7	860.0	841.4	820.4	797.0	773.3	745.7	718.0
204	873.2	889.2	900.4	909.5	916.1	918.9	921.0	916.5	910.5	901.5	890.4	877.2	861.7	842.6
205	758.9	784.7	806.9	829.5	850.0	867.3	884.5	898.6	908.2	912.8	917.1	918.9	917.2	912.1
206	616.4	647.9	678.9	709.8	739.8	766.7	793.2	818.4	841.5	860.1	876.9	890.8	901.5	909.0
207	503.6	535.7	567.7	600.9	632.6	664.0	695.0	724.6	752.9	779.4	803.6	826.1	845.5	861.2
208	445.8	476.0	504.9	534.1	562.8	591.1	621.8	652.3	682.5	710.2	737.7	764.0	787.5	809.0
209	697.4	703.2	707.2	710.6	711.8	710.3	708.2	700.8	693.2	683.0	671.8	657.8	643.2	625.7
210	787.0	797.1	803.4	809.6	812.3	812.8	813.2	807.3	801.0	791.2	780.6	767.6	750.5	732.9
211	857.0	869.7	878.7	886.5	892.2	894.9	896.8	892.4	886.5	878.0	867.0	854.2	838.2	819.7
212	833.9	848.4	858.3	867.2	872.8	875.5	876.7	872.6	867.8	859.3	848.0	834.9	819.3	803.1
213	750.8	762.0	769.8	775.7	779.0	779.2	778.7	773.7	769.8	760.5	749.8	737.1	721.1	706.9
214	636.9	644.7	648.6	652.0	652.2	650.5	647.4	643.0	637.8	630.2	620.3	607.7	594.1	581.6
215	346.2	322.3	297.4	273.2	250.6	228.9	207.2	187.2	169.7	152.0	138.0	124.8	111.3	101.2
216	320.5	324.5	330.8	336.6	341.4	345.5	349.3	350.1	350.2	349.3	349.5	347.8	344.2	340.6
217	272.3	278.1	282.3	286.1	288.5	291.3	293.0	294.1	296.4	295.8	295.7	293.7	289.2	286.8
218	213.2	233.2	254.9	279.0	303.3	331.0	358.4	388.1	418.4	448.5	479.5	509.6	541.9	574.1
219	156.5	157.7	160.4	162.5	163.5	166.1	166.8	167.8	168.0	167.3	169.0	170.0	170.3	170.1
220	126.4	128.4	130.5	131.2	131.0	132.9	132.6	132.6	135.1	134.8	135.5	135.8	135.4	135.8
221	118.1	117.5	119.1	119.6	120.2	122.4	122.5	122.6	123.5	124.1	125.5	127.4	129.2	130.3
222	93.1	93.7	95.8	95.6	95.5	96.5	95.6	95.7	97.2	96.7	98.2	99.6	100.1	102.2
223	110.9	112.0	114.6	115.7	116.5	119.8	120.6	121.2	122.8	124.4	125.7	127.2	127.1	128.8
224	89.3	91.0	93.0	92.4	93.4	95.2	94.2	94.0	95.8	96.1	97.1	98.0	97.6	93.6
225	254.4	232.0	210.6	190.0	171.4	155.6	138.6	123.3	112.0	101.0	91.6	84.1	75.9	70.9
226	501.2	472.4	443.0	414.3	386.2	358.4	328.4	300.4	274.9	250.0	228.6	208.2	187.1	171.8
227	573.5	541.1	508.1	474.3	441.6	410.8	380.3	350.5	323.5	297.3	273.9	250.9	227.3	209.0
228	667.9	636.1	600.0	564.1	526.1	486.7	449.9	417.1	387.6	359.1	333.4	309.2	284.7	264.5

Table CXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 393 Pi	R: 379 Pi	R: 380 Pi	R: 381 Pi	R: 382 Pi	R: 383 Pi	R: 384 Pi	R: 385 Pi	R: 392 Pi	R: 387 Pi	R: 388 Pi	R: 389 Pi	R: 390 Pi	R: 391 Pi
229	295.8	319.9	346.0	373.3	402.0	432.4	464.9	499.2	531.5	562.5	594.3	624.4	654.3	683.0
230	94.0	104.3	117.8	131.3	145.5	164.3	182.0	202.6	224.9	248.3	273.7	300.8	326.7	355.2
231	474.1	473.1	471.6	470.6	468.5	465.3	462.0	454.9	447.8	440.8	433.8	424.9	414.4	403.3
232	623.3	625.1	626.0	627.3	625.6	623.2	619.0	610.5	601.1	591.5	580.0	566.8	552.0	535.5
233	543.1	547.8	548.5	549.0	546.4	541.9	537.0	529.5	525.1	516.3	507.1	496.0	483.1	473.1
234	408.8	409.6	408.5	405.4	401.2	396.3	389.5	382.9	378.0	370.8	364.2	355.7	345.1	338.6
235	149.8	156.0	164.3	172.0	178.3	186.5	192.0	196.8	201.8	205.4	209.2	213.5	213.2	211.4
236	121.4	133.5	146.9	159.6	172.3	187.5	200.7	214.2	227.3	240.0	250.4	264.7	281.7	297.1
237	92.7	103.8	117.5	130.6	144.8	162.7	178.9	198.5	222.7	244.1	266.6	291.6	315.3	340.3
238	87.4	98.6	111.7	124.9	139.1	157.3	174.6	194.3	216.2	238.5	261.2	287.8	312.6	339.5
239	84.0	94.4	106.1	118.3	132.2	149.6	166.1	185.6	207.8	228.9	252.9	278.1	303.0	330.7
240	59.2	66.1	73.7	82.1	92.3	107.0	119.7	135.6	153.9	171.9	191.9	212.9	235.4	260.4
241	68.9	80.3	91.9	104.1	115.7	128.9	139.4	150.0	162.9	174.1	186.3	199.7	213.7	226.5
242	46.6	43.0	38.6	34.2	31.2	31.2	27.7	25.5	26.1	24.1	23.4	23.8	22.8	23.9
243	174.9	159.7	145.7	132.8	119.0	109.1	95.7	83.8	74.7	65.6	59.3	55.1	47.9	44.6
244	243.6	222.2	201.1	180.7	162.6	147.2	130.5	115.7	105.4	94.4	85.9	78.8	71.8	67.9
245	248.1	225.2	203.5	183.2	164.6	149.3	131.4	117.0	106.1	94.9	86.2	78.8	71.7	67.4
246	213.4	210.0	205.8	202.2	194.2	190.7	181.1	179.9	184.7	186.1	187.9	188.5	188.6	187.8
247	155.7	159.3	163.7	166.9	170.9	174.3	176.0	177.4	177.0	174.1	172.3	169.0	163.0	155.7
248	142.0	139.9	139.0	137.7	136.7	136.1	133.9	132.0	130.0	126.9	127.0	127.5	126.6	124.8
249	113.5	113.1	113.0	111.5	109.9	109.1	106.3	104.5	103.7	101.1	100.8	102.0	100.0	99.7
250	123.2	126.9	127.9	124.2	120.6	118.9	115.1	110.7	106.7	100.9	95.7	91.0	87.3	82.2
251	77.3	75.3	75.9	76.5	76.8	77.6	76.0	76.0	76.9	76.5	77.9	79.6	80.8	82.9
252	319.4	344.2	370.6	397.9	424.9	453.9	485.7	520.7	554.9	586.6	619.2	650.5	679.9	707.9

Table CXVI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 426	R: 427	R: 428	R: 429	R: 430	R: 431	R: 432	R: 433	R: 434	R: 435	R: 436	R: 437	R: 438	R: 439	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	180.6	199.2	219.2	241.9	265.0	289.8	316.4	345.2	374.2	403.3	434.3	466.3	497.0	524.5	
3	258.4	263.2	268.4	273.2	277.4	280.6	283.0	283.6	284.1	283.5	281.9	280.7	277.1	275.5	
4	266.9	274.0	278.9	283.3	286.8	289.8	292.6	293.0	293.6	292.1	290.8	288.5	284.9	281.8	
5	266.2	266.4	267.8	268.2	268.6	268.3	268.7	266.3	265.2	263.5	261.2	257.9	252.0	248.0	
6	271.8	274.5	275.3	275.5	274.7	273.5	272.8	270.5	268.3	265.0	261.0	257.2	252.3	247.1	
7	273.8	271.0	268.7	266.6	264.1	261.1	258.0	254.1	250.9	247.4	243.4	239.3	235.3	232.3	
8	283.3	282.4	279.5	277.1	273.0	269.7	265.7	262.0	257.8	253.5	248.9	244.5	240.3	235.6	
9	324.0	298.5	274.1	251.2	229.5	208.6	188.5	170.0	153.2	138.0	123.5	111.3	100.4	91.1	
10	133.6	148.2	164.5	183.3	202.6	223.8	246.4	271.3	297.2	324.5	352.5	383.0	413.2	442.3	
11	233.0	232.0	230.5	228.5	227.6	225.9	224.1	223.6	223.2	223.6	221.7	219.2	215.5	210.7	
12	236.9	238.2	238.0	236.7	236.0	234.2	232.0	230.0	227.9	226.0	223.4	219.6	214.9	208.9	
13	221.6	218.9	216.4	215.2	214.7	214.2	214.1	213.9	214.1	214.9	214.4	214.5	213.1	212.4	
14	228.6	228.0	225.6	222.0	219.6	219.5	218.1	217.6	216.6	216.2	215.1	214.2	212.7	210.1	
15	217.9	215.7	214.3	213.1	211.5	208.8	206.0	203.8	201.5	199.8	197.8	195.6	193.7	192.3	
16	217.1	216.5	214.8	213.4	211.1	208.6	206.3	204.6	202.0	200.1	198.3	196.2	195.4	193.4	
17	326.3	298.0	269.7	243.4	216.7	195.1	174.3	155.5	138.6	124.6	112.3	99.6	89.2	81.0	
19	152.1	158.5	161.2	162.3	163.0	163.9	164.8	165.3	165.9	167.5	168.1	168.9	169.5	169.0	
20	160.1	162.8	164.2	165.9	165.7	166.6	167.0	167.7	168.1	169.1	170.0	170.7	170.3	167.7	
21	144.5	143.7	144.1	145.0	146.1	146.9	147.7	148.3	148.2	148.2	147.8	147.4	147.0	147.9	
22	145.1	145.6	146.4	147.1	147.7	148.9	149.7	150.2	150.0	149.7	149.1	148.4	148.6	148.9	
23	119.6	119.3	120.0	120.8	120.7	120.1	118.8	120.2	120.1	121.4	122.1	123.1	123.0	123.1	
24	119.9	120.1	120.1	119.9	118.5	117.7	116.2	117.5	116.9	117.4	118.3	119.3	119.7	120.0	
25	112.2	111.0	110.7	110.6	110.3	109.8	109.4	109.0	108.7	108.8	108.7	109.4	110.0	112.2	
26	112.0	112.6	112.1	111.5	110.7	109.9	109.0	108.8	108.1	108.1	107.8	108.4	109.7	111.3	
43	210.2	215.0	221.1	227.9	233.5	238.8	244.1	248.2	251.6	254.7	255.7	256.5	256.6	257.4	
44	214.6	217.7	221.1	226.7	231.8	236.3	241.0	244.2	246.8	248.9	250.3	251.8	252.4	252.9	
67	103.6	104.6	105.9	106.9	107.9	108.6	109.8	110.7	111.6	113.7	115.3	116.2	115.6	116.4	
68	104.7	106.8	108.4	109.2	109.8	110.4	111.6	112.6	113.6	115.4	116.7	117.6	117.9	118.7	
85	302.2	303.4	304.6	305.9	306.4	305.9	304.8	302.7	300.2	297.9	292.9	287.6	281.6	274.9	
86	315.0	317.9	319.4	320.1	320.0	318.3	317.1	314.7	311.9	308.2	303.9	298.6	293.7	286.4	
87	219.0	235.6	252.5	271.4	289.6	308.3	329.0	348.6	368.9	388.8	408.6	428.5	445.7	462.4	
88	220.5	238.6	257.0	276.6	295.7	315.4	336.0	356.9	377.6	397.6	418.1	438.0	456.7	473.7	
89	77.7	87.2	97.5	109.8	122.4	136.7	152.8	171.1	190.1	211.0	233.1	257.5	282.3	306.9	
90	78.3	87.7	98.3	110.6	123.3	137.8	154.5	172.5	191.7	212.9	234.9	258.3	282.4	305.8	
91	77.5	86.2	96.4	108.1	120.3	134.3	150.8	168.9	188.6	210.3	233.1	257.8	283.3	309.6	
921	356.6	330.9	304.6	280.2	256.3	234.4	212.7	192.4	173.9	157.1	141.6	127.7	115.3	105.1	

Table CXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 426	R: 427	R: 428	R: 429	R: 430	R: 431	R: 432	R: 433	R: 434	R: 435	R: 436	R: 437	R: 438	R: 439	
P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	
922	214.2	234.1	256.1	279.7	304.5	330.6	358.9	388.1	416.6	447.0	479.0	511.1	543.4	574.4	
93	129.4	143.8	159.6	177.9	196.7	216.7	240.1	264.3	289.7	316.3	345.1	374.5	405.1	432.8	
94	205.3	225.4	246.3	270.3	294.4	320.3	348.6	377.9	408.0	438.7	471.1	504.7	537.0	567.3	
95	84.4	94.5	105.0	118.0	131.7	147.3	164.5	184.0	204.7	226.9	250.3	276.2	302.8	328.1	
125	133.4	130.5	132.0	132.9	131.8	129.7	128.1	125.6	123.0	121.5	119.8	118.5	115.9	115.0	
126	143.2	142.0	141.8	141.4	139.5	137.7	135.5	132.6	129.4	126.8	124.9	123.0	121.3	120.3	
128	243.6	221.2	200.3	180.5	162.1	145.1	130.1	115.9	104.2	94.6	86.2	79.3	73.0	69.1	
132	65.0	70.3	76.0	84.5	93.4	103.9	115.3	130.1	145.2	162.8	179.4	200.0	220.6	240.7	
201	796.2	770.9	743.5	715.9	685.9	656.0	624.3	591.2	559.5	526.0	491.6	457.5	430.3	406.4	
202	890.3	876.9	861.2	844.4	825.2	803.2	780.4	754.0	727.8	699.3	671.4	642.2	614.0	586.6	
203	921.0	920.4	917.1	912.6	904.2	892.7	878.3	860.6	842.2	820.6	797.2	772.2	745.0	719.1	
204	877.2	890.4	902.7	913.2	918.9	921.0	921.4	917.6	911.8	902.6	891.8	878.1	861.9	843.4	
205	760.9	786.8	810.7	835.0	854.3	871.4	887.7	899.6	909.7	915.4	918.7	920.6	918.8	912.5	
206	616.7	649.0	680.4	713.6	742.3	769.4	796.7	820.9	843.4	862.4	878.4	892.2	902.3	908.3	
207	504.8	536.0	568.9	603.7	635.6	666.2	697.8	727.0	754.7	780.5	804.3	825.8	845.1	860.4	
208	446.8	477.8	506.0	536.5	563.9	593.1	624.1	652.9	682.6	711.7	738.3	764.2	787.1	807.8	
209	663.3	667.9	670.3	674.6	675.2	673.9	671.7	664.4	657.6	649.2	637.8	624.6	609.6	596.0	
210	760.3	768.2	774.5	781.6	784.7	785.5	784.6	778.9	773.3	765.3	754.3	740.4	725.1	708.6	
211	843.5	854.4	863.5	874.0	878.9	881.3	882.3	878.0	872.4	863.8	853.3	839.3	823.6	806.8	
212	852.8	865.5	875.3	885.3	890.2	892.8	893.5	888.5	882.7	874.5	863.7	849.7	835.0	816.9	
213	780.9	790.9	798.6	805.1	807.6	809.2	807.6	802.4	795.6	786.8	775.3	761.9	748.5	730.0	
214	675.0	683.1	686.4	690.9	690.8	689.6	686.7	681.0	674.0	664.1	653.7	640.4	627.7	611.7	
215	344.3	319.8	295.2	271.1	248.6	226.9	205.9	186.0	168.4	151.9	137.2	123.1	111.2	101.0	
216	290.5	294.8	299.9	305.0	309.5	312.4	315.2	316.1	317.5	317.5	316.9	315.5	312.6	310.1	
217	300.3	306.8	311.4	316.2	318.6	321.7	324.1	325.6	326.3	325.6	324.1	321.7	318.8	313.9	
218	211.2	231.4	252.9	277.1	301.6	327.9	355.4	384.5	414.4	444.6	475.6	507.3	538.4	568.9	
219	138.4	139.4	141.2	143.0	143.6	144.9	145.8	146.4	147.0	147.9	148.5	149.3	149.4	149.5	
220	141.0	143.7	145.5	146.9	147.1	148.0	149.2	149.7	150.3	151.2	151.8	151.8	152.2	151.0	
221	105.5	105.0	105.8	106.7	107.6	107.7	108.4	108.7	109.4	110.5	111.3	113.3	114.4	115.4	
222	104.4	105.2	105.7	106.5	106.5	106.6	106.9	107.7	108.3	108.6	109.7	111.4	113.2	113.7	
223	99.6	100.5	101.8	103.1	104.6	105.5	106.4	107.2	109.1	110.4	111.1	111.6	112.5	112.1	
224	98.5	100.3	101.5	102.7	104.1	105.2	105.9	106.5	107.6	109.1	109.8	110.4	111.8	111.6	
225	253.9	230.9	209.0	190.0	171.5	154.0	138.2	123.9	111.8	101.0	91.7	83.5	76.7	70.4	
226	501.9	472.3	442.8	414.5	386.6	358.4	330.3	302.0	276.2	252.2	228.6	206.9	187.1	170.6	
227	573.5	540.0	506.4	473.7	441.1	411.0	381.4	352.0	324.7	299.0	274.1	249.8	227.5	208.5	
228	666.7	633.9	599.8	564.0	526.7	487.4	450.9	417.7	387.8	359.1	332.9	308.2	285.5	265.2	

Table CXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Upright, Pressures in psf, Side Probes

Ori- tice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 426 Pi	R: 427 Pi	R: 428 Pi	R: 429 Pi	R: 430 Pi	R: 431 Pi	R: 432 Pi	R: 433 Pi	R: 434 Pi	R: 435 Pi	R: 436 Pi	R: 437 Pi	R: 438 Pi	R: 439 Pi
229	296.3	321.1	347.2	375.1	403.6	434.0	465.5	498.3	530.6	563.3	595.3	626.9	655.6	682.2
230	93.9	104.7	116.6	130.7	145.6	162.0	181.0	201.6	223.5	247.2	272.7	299.1	325.7	351.7
231	436.9	435.5	434.9	434.2	432.1	428.2	425.2	418.8	412.8	406.9	399.4	391.5	381.5	372.5
232	586.3	587.5	588.8	589.6	588.8	585.3	580.9	573.0	566.0	557.1	545.6	532.3	518.4	504.8
233	582.8	587.3	588.3	588.4	585.7	582.1	578.1	570.6	562.1	552.7	540.9	529.1	516.7	503.2
234	441.7	443.2	441.8	439.4	435.7	431.3	426.6	419.0	411.3	403.1	394.6	385.6	376.7	366.8
235	133.3	139.7	146.0	152.5	157.9	164.0	168.8	173.3	177.2	181.3	183.9	185.1	179.6	182.7
236	112.9	123.6	135.0	147.1	158.4	169.6	181.6	193.3	204.7	214.5	229.4	245.6	260.8	275.7
237	90.3	101.0	112.1	125.3	139.4	154.8	172.3	191.8	211.9	233.1	255.0	278.3	300.8	323.5
238	87.2	97.7	108.7	121.8	135.8	151.3	168.7	188.2	209.1	231.2	254.2	279.7	304.4	329.6
239	84.5	94.1	105.0	117.4	131.3	146.9	164.2	183.4	203.7	226.3	249.9	275.9	301.5	327.3
240	62.1	69.5	76.8	86.0	95.7	106.6	119.5	134.5	151.0	169.7	190.1	212.1	234.1	257.0
241	69.6	78.0	88.0	98.6	108.5	117.4	127.8	138.4	148.4	159.5	170.3	182.8	194.8	206.6
242	44.4	40.3	36.2	33.0	30.9	29.8	27.9	26.3	25.4	25.2	24.4	24.1	23.7	23.6
243	175.0	160.2	145.3	131.5	117.6	105.7	95.2	84.0	74.9	66.8	60.2	55.2	49.9	46.2
244	243.8	221.9	200.2	179.9	162.0	145.6	130.8	117.0	105.5	95.2	86.0	78.7	71.8	67.7
245	247.4	225.4	203.6	183.1	164.5	147.1	131.8	117.7	105.9	95.6	86.2	78.1	71.6	67.6
246	190.2	187.6	184.5	180.0	174.3	169.6	161.6	157.9	161.1	163.6	166.3	168.3	167.2	167.9
247	137.7	140.9	144.2	147.7	150.5	152.0	153.2	153.3	152.8	151.4	148.5	143.9	137.8	131.3
248	124.2	123.0	122.8	122.1	120.9	119.6	118.1	116.2	114.3	112.9	112.1	112.5	111.6	110.0
249	127.1	127.3	126.2	124.9	122.8	121.0	119.2	117.1	114.9	113.4	112.3	113.4	112.3	110.1
250	97.3	109.3	115.5	115.4	112.2	107.2	103.1	99.5	95.6	91.4	85.8	82.0	77.8	72.6
251	70.9	69.6	68.4	69.1	68.8	68.2	67.6	68.0	68.0	68.8	69.1	70.4	71.6	73.2
252	320.6	345.1	370.7	398.5	425.7	454.2	487.7	520.2	553.9	587.2	620.8	652.6	681.5	708.4

Table CXVII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 396	R: 397	R: 398	R: 399	R: 400	R: 401	R: 410	R: 402	R: 409	R: 404	R: 405	R: 406	R: 407	R: 408	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	179.8	198.4	218.1	239.9	263.1	288.8	316.5	344.1	372.9	401.4	432.4	462.0	494.1	523.8	
3	232.7	237.0	241.3	246.0	248.3	251.9	253.4	255.6	255.5	253.8	253.7	251.8	249.4	244.5	
4	296.0	302.4	307.8	313.2	316.5	320.6	323.7	324.8	325.5	324.9	324.8	322.1	317.4	316.0	
5	239.4	239.7	240.3	241.1	239.5	240.3	239.7	240.5	238.5	235.8	233.7	230.6	225.2	218.9	
6	302.5	304.3	304.5	305.4	304.2	304.0	303.3	300.8	297.7	294.9	292.9	288.4	282.3	278.3	
7	246.6	243.5	241.4	239.2	236.5	234.0	232.5	229.0	225.0	220.9	218.2	215.1	211.2	210.8	
8	314.7	312.4	309.9	306.6	302.9	298.9	296.7	291.2	286.4	281.9	278.0	273.1	268.2	265.7	
9	322.8	297.8	273.0	249.9	228.5	206.9	186.8	169.7	152.2	136.1	123.7	111.4	99.9	90.4	
10	133.1	147.4	163.9	182.3	201.3	222.9	246.7	271.8	296.4	322.5	352.0	382.2	412.6	442.3	
11	206.9	205.4	203.7	202.0	200.2	199.0	198.6	198.7	197.8	196.1	196.2	193.8	190.1	184.8	
12	265.6	266.9	266.8	265.8	265.2	264.0	263.0	259.5	256.7	254.5	252.2	248.1	243.4	240.2	
13	196.1	193.6	191.6	190.3	189.4	189.9	189.5	190.5	190.1	189.8	190.6	190.2	189.6	187.5	
14	257.4	256.8	254.0	251.0	248.4	248.4	247.6	245.8	244.4	243.3	243.6	241.5	240.2	238.0	
15	193.7	191.3	190.3	189.2	186.7	185.1	182.4	182.2	178.6	176.4	175.4	173.6	171.8	170.3	
16	243.8	242.8	240.9	239.1	236.5	234.6	232.6	230.0	227.0	224.8	223.8	221.0	220.0	219.8	
17	325.8	297.9	269.7	242.0	215.5	194.0	173.3	155.2	137.9	122.9	111.3	99.9	89.1	80.8	
19	133.6	138.9	142.3	143.8	143.8	145.3	146.2	147.8	146.9	147.1	149.1	149.9	150.2	148.6	
20	181.1	183.7	185.2	187.3	186.5	188.5	189.3	189.9	189.6	190.5	192.8	193.0	189.7	187.7	
21	129.0	127.9	128.3	129.3	129.5	131.3	131.1	132.9	130.9	130.5	131.4	131.6	131.3	131.6	
22	164.5	164.7	165.7	167.0	167.1	169.0	170.4	171.4	170.3	169.9	170.3	169.8	169.9	171.2	
23	107.1	106.2	107.5	108.2	107.0	107.0	105.8	109.1	107.6	107.4	109.6	110.0	109.5	109.0	
24	136.1	135.5	135.3	135.1	133.0	132.6	131.9	133.5	132.0	132.4	134.7	135.7	136.0	137.4	
25	101.1	99.4	99.3	99.5	97.9	98.0	98.1	99.4	97.7	96.8	98.0	98.0	98.1	99.4	
26	128.0	127.4	126.6	126.0	124.2	124.0	123.9	124.3	122.8	122.3	123.8	123.8	124.7	127.4	
43	187.5	191.5	197.8	204.0	207.9	213.4	217.9	222.8	224.9	226.1	228.5	229.3	228.5	227.4	
44	243.3	246.1	248.1	254.6	259.2	265.2	270.7	274.5	277.2	279.8	282.4	282.7	283.6	285.3	
67	93.6	94.3	96.1	97.0	95.7	97.1	98.5	100.7	101.0	101.2	102.7	102.5	101.9	104.1	
68	119.3	120.5	122.5	123.7	123.0	124.7	127.1	128.7	129.0	130.3	133.4	135.1	135.6	138.9	
85	273.6	274.6	275.5	277.0	276.6	276.5	275.5	274.1	271.6	267.1	263.7	258.2	252.0	244.8	
86	346.5	349.2	350.2	351.3	351.2	350.6	350.3	346.7	344.0	341.1	337.7	331.6	326.1	321.4	
87	203.7	218.6	234.7	252.6	269.1	288.4	307.0	325.9	344.7	362.9	382.2	400.0	418.5	432.2	
88	234.0	253.1	272.6	293.6	313.5	336.1	358.4	379.7	400.5	422.5	444.8	465.0	485.8	504.1	
89	77.2	85.4	96.0	107.6	119.2	134.0	150.2	168.3	185.9	204.7	226.9	250.9	275.5	299.0	
90	80.8	89.6	100.1	112.6	125.3	140.9	158.6	177.5	196.4	217.0	241.2	265.4	292.0	318.0	
91	77.4	85.6	96.3	107.9	119.9	135.1	152.4	170.9	189.0	209.0	232.9	257.7	284.4	309.2	
921	356.5	330.1	303.5	279.0	254.9	233.0	211.0	192.6	173.3	156.7	141.8	128.2	115.0	104.3	

Table CXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 396	R: 397	R: 398	R: 399	R: 400	R: 401	R: 410	R: 402	R: 409	R: 404	R: 405	R: 406	R: 407	R: 408	
	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	
922	212.7	232.6	253.8	277.8	301.9	328.8	356.8	385.5	414.8	444.3	476.1	507.9	540.4	572.5	
93	129.0	142.8	159.5	177.4	195.1	217.1	240.6	264.8	289.3	315.5	344.8	374.7	404.3	432.8	
94	206.0	225.3	247.4	270.7	294.6	322.4	351.1	379.7	409.8	440.4	473.0	505.0	538.5	569.5	
95	84.8	93.9	105.5	118.5	131.1	148.0	166.0	186.4	206.0	227.4	252.4	277.2	303.3	329.6	
125	119.8	115.0	116.3	118.0	116.8	115.2	114.2	114.3	110.7	108.0	107.5	106.5	103.4	101.7	
126	162.3	161.8	161.2	160.5	157.3	155.7	153.2	151.3	147.1	143.7	142.5	140.0	138.5	138.4	
128	244.2	220.3	199.0	178.2	159.1	142.2	127.4	115.4	103.1	92.8	85.8	79.0	72.7	68.1	
132	65.3	69.1	75.1	82.8	90.2	101.1	114.9	130.6	144.4	161.8	180.3	200.7	222.4	243.2	
201	790.5	765.7	738.4	710.0	680.4	650.4	618.7	586.4	555.1	521.7	488.2	454.4	426.0	401.7	
202	883.8	870.8	855.6	837.9	818.5	796.9	773.9	748.9	722.7	696.2	668.5	640.2	610.2	583.0	
203	914.6	913.8	910.8	905.6	896.4	886.2	872.8	856.9	837.4	816.7	793.8	768.3	740.9	715.9	
204	870.3	883.1	895.0	903.8	909.5	913.8	914.7	912.4	906.1	898.2	886.8	872.7	856.7	839.5	
205	755.3	780.8	804.3	827.4	846.6	864.6	881.1	893.5	901.7	909.4	914.1	914.7	912.4	908.6	
206	611.6	643.2	674.8	706.7	734.6	763.8	791.6	814.6	836.2	855.0	871.7	886.2	895.9	905.5	
207	501.9	533.2	565.2	599.2	630.5	662.4	694.4	722.7	749.4	774.6	798.3	819.6	840.1	858.0	
208	444.2	474.2	502.4	532.1	559.8	590.6	620.8	649.4	677.5	706.0	733.0	757.6	783.3	804.8	
209	623.1	627.7	632.8	635.3	635.4	635.4	631.3	626.7	620.7	611.0	600.8	587.9	574.2	558.0	
210	726.9	734.2	741.5	747.1	750.2	750.9	748.9	746.9	740.6	732.5	721.9	708.4	693.8	677.4	
211	822.1	832.6	841.9	851.0	855.4	858.2	858.1	856.6	852.1	843.9	833.6	819.2	804.2	787.9	
212	861.4	874.3	883.9	892.2	897.0	901.0	901.9	898.4	893.1	885.2	874.7	859.7	843.7	827.6	
213	802.9	812.9	819.8	825.2	828.6	829.9	829.5	824.8	818.5	810.6	799.6	785.2	770.0	754.9	
214	707.7	714.7	719.2	722.1	722.1	721.2	718.6	712.7	705.4	696.9	686.4	672.9	658.8	646.7	
215	342.6	318.1	292.6	268.5	245.8	223.8	203.2	184.8	167.0	150.5	136.5	122.9	110.4	100.7	
216	263.3	267.3	271.9	276.4	279.2	282.7	285.0	287.6	287.6	286.9	286.8	285.9	282.7	278.5	
217	330.2	336.8	342.2	346.9	350.8	354.0	357.5	358.4	358.6	358.6	358.0	355.6	353.2	351.7	
218	207.9	227.6	248.7	272.3	296.1	323.0	351.2	380.3	408.1	437.3	468.3	500.1	532.5	562.4	
219	124.3	124.9	126.4	127.8	127.1	128.4	129.0	130.9	130.0	130.1	132.3	132.7	132.4	131.1	
220	159.7	162.1	164.5	166.5	166.9	167.5	170.1	171.1	170.6	171.1	173.3	174.5	174.2	175.7	
221	95.0	94.4	95.4	96.7	96.2	96.7	97.2	98.9	97.9	97.6	99.3	100.5	101.3	102.3	
222	118.5	118.6	118.9	119.9	119.5	120.4	121.2	122.4	121.8	122.5	125.1	127.4	129.2	131.3	
223	89.6	90.1	91.7	92.6	93.3	94.2	94.7	97.0	96.7	96.7	97.8	98.3	98.5	92.9	
224	111.5	112.4	113.9	115.5	116.1	117.7	119.3	121.2	121.8	123.5	126.4	127.3	128.1	131.2	
225	252.6	230.0	208.4	188.9	169.2	151.9	135.7	123.5	110.3	99.1	90.8	82.7	75.7	69.7	
226	499.4	469.6	440.5	412.8	384.5	356.1	326.5	299.3	274.3	251.1	228.3	207.8	188.4	172.1	
227	571.0	538.2	504.6	471.5	439.4	408.5	378.5	350.8	324.4	298.8	273.5	250.0	227.7	208.6	
228	663.4	630.9	596.5	560.9	523.7	484.8	446.2	415.2	386.1	358.8	332.8	307.7	284.2	263.9	

Table CXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 396	R: 397	R: 398	R: 399	R: 400	R: 401	R: 410	R: 402	R: 409	R: 404	R: 405	R: 406	R: 407	R: 408	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	293.5	317.9	344.3	372.3	401.0	431.7	464.4	497.3	528.2	558.7	590.2	620.6	650.9	679.0	
230	94.4	104.4	117.1	130.9	145.2	163.0	182.3	203.2	223.3	246.1	272.2	298.8	326.4	352.8	
231	403.0	401.9	401.3	399.9	398.0	394.1	389.0	385.5	380.2	373.0	366.2	357.5	348.7	338.9	
232	545.4	547.6	548.7	549.3	548.2	546.3	539.5	535.4	528.0	518.6	508.6	496.4	483.7	467.8	
233	619.6	623.2	623.2	623.7	622.1	618.2	612.9	605.3	597.4	587.9	578.5	565.5	551.5	540.1	
234	478.7	479.7	477.0	475.6	472.2	466.9	461.0	453.9	446.8	439.1	430.5	420.5	410.3	401.9	
235	120.8	125.4	130.9	136.3	140.8	146.0	149.7	155.2	157.3	158.9	160.4	154.8	158.1	164.6	
236	105.5	114.5	124.5	135.2	144.3	155.6	165.0	176.0	184.3	197.2	213.1	227.9	242.8	254.2	
237	88.3	97.1	108.9	121.7	134.0	149.9	166.4	185.2	203.7	222.5	244.1	266.4	288.5	310.8	
238	86.7	95.3	106.8	119.6	131.6	148.0	165.0	184.9	204.7	225.4	248.5	273.0	297.6	322.5	
239	84.3	92.9	104.1	116.9	129.5	145.9	163.7	184.3	203.6	225.1	249.3	274.2	299.6	326.1	
240	63.9	69.3	77.1	86.3	94.7	107.2	120.4	136.5	151.8	169.0	189.0	209.9	232.3	250.8	
241	67.9	75.4	85.1	93.9	100.1	109.3	118.6	128.8	136.5	144.7	155.1	167.9	178.2	191.1	
242	48.6	42.8	38.5	34.7	29.9	28.1	26.6	26.6	24.0	22.4	22.7	23.0	22.1	22.1	
243	174.9	159.1	144.4	133.1	117.1	105.6	94.0	84.1	73.4	65.6	60.6	55.1	49.0	44.5	
244	242.7	220.9	198.9	179.0	159.8	143.7	128.5	116.3	104.1	93.4	85.6	78.5	71.6	66.5	
245	246.4	223.6	202.1	181.7	162.6	146.2	130.9	118.7	105.9	95.0	87.1	79.4	72.1	66.5	
246	167.9	165.5	163.3	158.7	153.6	150.7	142.8	141.8	141.7	143.2	146.3	148.7	148.1	147.0	
247	123.7	126.4	129.4	131.5	132.9	133.9	134.9	135.6	133.2	130.9	128.0	122.9	115.8	108.0	
248	110.4	109.3	109.1	108.7	107.8	106.4	105.7	105.5	102.5	100.2	100.6	101.2	99.9	98.1	
249	145.7	144.6	143.2	141.5	139.2	136.6	136.0	134.0	130.2	127.9	128.5	129.2	129.2	127.6	
250	76.0	87.6	98.8	104.8	104.9	101.8	97.5	92.8	87.0	81.9	78.7	75.1	70.2	65.4	
251	66.0	64.8	63.9	63.4	62.4	61.5	61.8	63.2	61.4	60.7	62.2	62.9	64.1	65.1	
252	318.5	343.1	368.2	395.8	423.7	453.9	485.8	519.7	551.9	583.9	616.8	646.8	676.2	705.1	

Table CXVIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 411 Pi	R: 412 Pi	R: 413 Pi	R: 414 Pi	R: 415 Pi	R: 416 Pi	R: 417 Pi	R: 418 Pi	R: 419 Pi	R: 420 Pi	R: 421 Pi	R: 422 Pi	R: 423 Pi	R: 424 Pi
2	181.8	196.5	215.5	237.3	260.3	284.1	309.9	336.6	364.5	393.0	423.2	454.4	485.4	512.8
3	191.5	191.7	195.2	197.9	200.5	202.0	202.7	203.4	203.6	203.3	202.2	200.8	199.2	195.8
4	355.6	363.1	369.9	375.1	379.0	384.2	388.1	390.0	390.7	391.2	391.2	389.7	387.2	385.5
5	194.2	192.7	193.0	193.0	193.2	193.3	192.0	191.5	190.6	189.2	186.6	183.1	179.3	174.2
6	364.4	367.8	369.1	369.0	367.8	367.8	366.5	364.3	361.5	358.4	354.5	350.7	345.2	340.9
7	198.9	196.0	193.9	191.7	189.4	187.4	184.7	182.5	179.8	177.3	175.1	172.6	170.0	166.5
8	375.6	377.0	374.1	370.2	366.3	362.1	357.6	352.4	347.6	342.3	336.9	331.8	327.0	322.5
9	309.8	290.2	266.3	242.6	221.0	201.5	182.4	164.8	148.8	134.2	121.1	109.4	98.7	89.3
10	136.3	148.2	163.8	181.8	200.9	221.9	244.3	267.7	292.9	318.5	345.8	374.9	405.4	433.2
11	165.5	162.1	160.2	158.6	157.9	157.0	156.1	155.5	155.5	154.5	153.0	151.1	147.0	142.9
12	324.5	328.6	328.1	328.2	327.4	328.5	325.8	324.0	320.6	317.3	312.5	308.9	306.8	305.3
13	156.0	153.1	151.9	150.9	151.0	151.2	150.5	150.6	150.6	150.5	150.1	149.9	149.1	147.8
14	316.8	319.0	316.8	313.0	310.3	310.3	309.0	306.7	305.1	303.9	303.6	302.0	298.0	295.6
15	154.6	152.3	150.9	149.6	148.8	147.2	145.1	143.7	142.3	140.6	139.3	137.5	136.2	136.1
16	299.9	301.1	298.3	295.2	291.4	290.0	287.4	285.0	282.2	279.9	278.0	276.8	274.7	274.8
17	302.4	282.1	257.2	234.0	211.2	191.0	171.3	152.6	135.4	121.0	108.8	97.3	87.3	79.5
19	107.4	109.9	113.3	114.8	114.8	116.2	116.2	116.7	116.9	117.4	118.3	119.1	118.4	117.7
20	231.1	234.8	235.9	237.0	237.6	239.1	239.5	241.0	241.7	243.3	244.9	245.4	245.7	244.8
21	104.4	102.9	103.6	104.3	104.8	105.7	105.7	105.0	104.4	104.0	103.8	103.1	103.0	102.7
22	213.2	215.6	216.2	217.1	217.4	219.5	220.7	222.0	223.3	223.7	222.1	221.9	222.1	223.2
23	85.0	84.6	85.3	85.4	85.3	84.8	83.6	85.0	84.9	84.6	85.1	83.7	83.0	84.1
24	176.4	177.8	177.3	175.9	174.6	176.3	173.7	173.9	172.3	173.1	175.0	176.3	178.5	181.0
25	79.6	78.6	78.6	78.8	78.6	78.6	77.7	77.1	76.6	75.0	74.5	74.6	75.7	76.9
26	167.9	168.8	167.5	166.4	164.4	164.6	164.0	163.9	163.8	163.9	165.0	165.7	167.1	169.7
43	153.5	155.4	159.6	164.0	168.1	171.7	174.0	176.3	177.6	179.2	179.8	180.0	180.1	179.1
44	302.4	308.3	309.2	315.8	321.7	329.5	335.9	342.4	346.3	350.4	353.6	356.2	356.9	360.4
67	74.9	75.3	76.2	76.5	76.6	77.4	77.4	77.7	78.3	77.6	77.0	76.5	76.5	71.7
68	156.5	159.5	160.8	162.6	163.9	164.8	168.6	170.3	172.2	174.0	177.1	180.0	182.6	185.5
85	223.6	221.6	222.5	222.7	222.9	222.2	220.4	218.5	217.1	214.7	210.7	207.2	201.9	196.7
86	410.3	415.7	416.5	417.7	417.9	418.4	416.4	415.7	412.5	408.6	403.6	399.0	393.1	387.0
87	181.8	191.1	204.6	218.4	234.3	250.0	265.2	281.4	297.9	314.5	331.1	348.8	365.6	377.7
88	263.9	280.5	302.4	324.2	347.2	371.0	394.0	417.7	440.2	464.1	486.7	511.5	533.7	553.0
89	78.1	84.2	92.8	103.2	114.9	127.8	142.3	159.0	176.5	195.8	216.8	238.6	262.5	286.1
90	86.5	94.8	106.4	119.5	133.6	149.2	167.2	186.1	206.0	226.5	249.8	274.5	301.2	326.5
91	79.5	86.5	97.1	108.7	121.1	135.5	151.6	169.5	189.1	209.6	232.7	255.9	281.6	306.8
921	341.2	320.9	296.8	272.4	250.1	228.5	207.6	188.9	170.6	154.0	138.9	125.1	112.9	102.9

Table CXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 411	R: 412	R: 413	R: 414	R: 415	R: 416	R: 417	R: 418	R: 419	R: 420	R: 421	R: 422	R: 423	R: 424
922	214.4	229.6	250.1	273.3	297.3	323.2	349.9	378.5	407.5	435.9	466.3	499.2	532.6	562.9
93	132.0	143.4	159.2	176.8	195.9	216.3	238.0	261.5	285.6	311.8	339.4	367.0	397.2	425.6
94	212.4	227.0	248.3	271.3	295.7	321.9	349.3	378.4	408.2	439.5	470.0	503.4	537.2	566.7
95	87.7	95.8	106.9	119.8	133.9	149.9	167.2	186.9	207.0	229.2	252.6	277.9	305.5	330.6
125	95.6	92.5	90.0	91.4	93.6	92.7	91.9	90.4	89.1	86.4	84.7	82.8	79.7	78.8
126	212.0	213.1	211.1	208.9	205.6	203.4	199.9	195.8	192.0	189.1	186.7	184.4	183.4	182.8
128	233.7	220.1	202.1	181.3	165.7	148.4	137.7	123.2	116.6	118.5	98.4	100.2	95.6	88.6
132	64.2	68.2	75.2	83.7	93.1	104.2	116.4	130.9	147.2	164.4	181.1	201.7	225.9	246.5
201	762.0	743.9	715.7	687.4	659.5	630.2	600.8	569.6	536.9	504.1	471.2	440.4	413.8	388.8
202	856.0	844.4	829.2	812.8	794.0	772.7	751.2	727.3	702.2	676.8	650.4	622.7	594.1	567.1
203	890.1	886.8	884.3	879.3	871.8	861.2	847.6	831.7	813.3	794.0	772.5	747.8	721.4	695.5
204	850.0	857.9	869.2	878.4	884.8	887.1	887.0	885.5	880.1	872.6	862.8	849.6	833.2	815.8
205	744.1	761.2	783.4	805.2	825.2	841.6	855.1	867.7	877.5	885.3	889.4	891.0	888.5	885.8
206	605.8	628.1	657.3	688.3	717.6	744.1	768.3	792.0	813.3	832.2	848.7	862.8	874.5	882.3
207	500.3	523.7	554.6	585.7	618.1	647.9	676.4	705.2	731.2	756.3	779.3	800.8	821.3	835.9
208	442.4	464.2	491.9	519.5	549.4	578.0	606.3	634.0	662.2	689.1	715.0	741.4	765.2	784.9
209	547.9	548.3	551.9	553.5	555.6	553.9	550.5	547.6	540.6	534.3	524.1	513.2	502.4	488.4
210	658.4	662.4	668.3	672.9	677.4	678.0	675.9	674.2	668.3	662.0	651.6	640.3	627.1	612.5
211	774.1	779.9	788.8	796.0	802.7	804.2	803.9	801.9	797.7	789.8	781.2	768.9	755.0	737.9
212	871.2	880.9	889.7	897.7	903.2	906.1	904.8	903.7	897.9	891.1	880.3	865.6	849.2	833.1
213	838.4	847.9	854.6	860.9	864.3	864.8	863.0	860.3	853.8	844.5	832.7	818.4	802.9	788.4
214	766.2	773.7	777.7	780.7	781.6	780.7	776.3	771.4	763.0	753.7	741.5	727.8	713.5	699.9
215	325.6	306.8	282.1	258.5	236.9	216.2	196.8	178.3	160.9	145.4	131.0	118.5	107.3	97.7
216	216.4	217.4	220.3	223.2	225.8	228.0	229.5	231.2	231.7	232.4	231.4	230.2	228.0	223.8
217	392.5	401.4	407.3	412.8	417.4	421.5	424.0	425.5	426.3	425.7	424.1	423.2	421.5	419.4
218	205.8	220.7	241.2	263.1	286.6	312.7	338.2	365.6	393.6	422.2	452.5	483.4	515.6	543.9
219	101.0	100.7	101.8	102.7	103.4	103.7	103.4	103.5	103.8	103.8	103.4	103.4	101.9	95.3
220	205.9	211.2	213.6	215.8	217.3	218.8	219.7	222.2	223.2	223.7	224.8	227.3	227.5	228.9
221	75.6	76.1	76.8	77.8	77.7	78.3	78.1	77.2	77.3	76.6	76.8	78.7	79.2	78.5
222	155.0	157.6	157.8	158.7	158.6	159.8	160.3	162.0	162.7	164.8	166.5	169.0	171.6	174.6
223	74.3	74.6	75.1	76.2	76.9	77.2	75.9	75.1	73.5	73.9	73.3	65.9	55.3	43.7
224	146.1	149.2	150.4	152.6	153.9	156.3	158.3	161.1	163.0	165.5	168.2	171.6	173.2	175.5
225	241.6	224.5	203.7	183.6	165.0	149.1	133.5	120.0	107.9	97.3	88.0	79.6	71.9	66.4
226	481.0	459.2	430.8	402.9	375.2	347.7	320.1	294.3	270.6	247.6	227.0	206.9	188.0	171.7
227	549.6	525.2	493.1	460.6	430.4	402.1	374.2	347.1	320.6	295.8	271.1	249.0	228.4	209.6
228	639.9	614.6	580.9	545.6	508.5	473.4	437.9	407.9	379.8	353.4	328.3	304.5	281.0	260.5

Table CXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 411	R: 412	R: 413	R: 414	R: 415	R: 416	R: 417	R: 418	R: 419	R: 420	R: 421	R: 422	R: 423	R: 424
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	294.2	313.6	338.8	366.3	395.7	425.0	455.0	486.6	517.2	547.9	577.5	606.6	637.2	664.6
230	95.8	104.2	116.0	130.2	145.2	162.2	180.6	200.6	222.7	245.4	270.1	295.6	322.4	348.9
231	339.6	336.4	336.4	334.5	333.1	330.1	325.4	321.3	316.3	310.2	302.8	295.0	287.6	279.7
232	467.7	467.8	468.2	469.0	469.2	467.1	462.6	457.8	452.2	445.3	435.1	424.3	412.4	398.6
233	684.6	689.0	690.1	689.7	687.0	683.9	678.5	671.6	662.7	653.3	641.1	629.4	614.5	602.2
234	544.9	548.9	547.2	545.6	540.8	536.7	530.9	525.4	517.2	509.3	500.1	490.9	479.8	469.7
235	101.6	104.1	107.9	112.0	114.6	117.0	119.0	120.2	120.0	113.7	117.8	124.3	130.8	136.5
236	95.0	100.6	107.9	115.3	121.6	127.5	135.4	146.9	158.6	172.3	181.6	189.5	198.4	206.1
237	86.0	92.8	102.1	113.2	124.8	137.9	152.2	168.5	185.6	203.3	223.5	245.3	267.6	288.7
238	85.9	92.5	102.2	114.1	127.1	141.6	157.3	175.4	194.1	214.1	235.8	259.6	284.5	308.7
239	85.7	93.4	103.7	116.3	130.1	145.5	162.4	181.2	201.3	222.3	245.2	270.4	297.0	321.4
240	61.9	67.1	73.9	83.1	92.8	104.1	116.6	131.3	146.5	163.5	182.4	202.0	225.0	245.5
241	67.2	71.6	76.8	81.7	86.8	91.3	96.3	102.7	109.9	117.5	125.6	136.8	147.2	157.0
242	57.5	53.6	48.0	42.8	38.3	34.4	30.8	28.1	26.2	24.2	22.2	21.5	20.6	20.4
243	167.4	156.0	142.1	127.3	113.2	101.3	90.6	80.7	70.6	65.1	58.3	52.9	47.2	41.9
244	232.7	215.7	195.2	176.0	157.7	142.1	127.1	114.2	102.6	92.3	83.0	75.5	68.7	63.7
245	234.4	217.4	196.5	176.8	158.6	142.6	127.9	114.9	103.3	93.3	84.5	77.3	69.8	64.4
246	132.7	130.1	128.3	126.5	125.8	120.4	116.6	113.0	111.4	112.3	112.9	115.6	118.0	118.3
247	102.3	103.1	105.1	105.8	107.1	107.3	105.8	103.9	101.0	97.2	91.1	83.0	73.0	70.3
248	85.6	85.8	86.6	85.7	85.9	85.5	84.7	83.6	81.8	79.9	78.7	78.2	76.2	74.1
249	190.4	192.0	189.7	186.3	183.1	181.3	179.1	176.6	173.6	170.8	169.4	170.3	172.4	169.7
250	53.8	53.5	58.2	70.9	81.1	86.7	89.0	87.9	81.8	73.8	66.7	61.4	56.6	50.9
251	53.7	54.3	54.3	53.5	50.7	49.3	48.7	47.9	47.2	46.7	46.4	47.1	49.2	49.8
252	318.3	337.4	363.0	389.4	418.0	447.0	478.3	510.1	541.2	572.3	602.0	632.9	663.4	689.6

Table CXIX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 450 Pi	R: 442 Pi	R: 443 Pi	R: 444 Pi	R: 445 Pi	R: 446 Pi	R: 447 Pi	R: 448 Pi	R: 449 Pi	R: 451 Pi	R: 452 Pi	R: 453 Pi	R: 454 Pi
2	312.7	315.0	315.9	316.7	317.4	317.6	317.4	317.1	317.0	314.5	312.5	310.6	309.2
3	371.1	342.6	327.7	313.4	298.5	289.9	282.4	274.4	267.4	253.5	239.3	227.4	206.1
4	212.8	234.9	247.7	261.8	275.6	282.8	292.0	299.5	307.5	323.4	337.7	351.3	379.7
5	354.5	327.2	312.5	297.9	283.3	274.7	267.9	259.9	252.5	240.2	226.3	215.1	195.3
6	197.3	218.4	230.4	243.4	257.5	264.1	272.2	279.3	287.3	302.3	317.0	330.4	358.1
7	340.8	314.3	300.4	286.0	271.8	264.2	257.1	249.9	243.2	230.4	217.4	207.2	188.4
8	193.1	213.1	224.8	237.3	250.8	257.6	264.6	271.7	280.3	294.5	308.5	322.4	349.6
9	182.9	184.8	185.8	186.8	187.2	187.2	187.0	187.0	187.2	186.4	185.5	184.5	182.6
10	247.0	247.4	247.9	247.7	247.3	247.1	246.4	246.7	246.8	245.7	245.3	244.7	243.7
11	311.7	283.5	269.1	254.1	238.7	231.3	224.1	217.0	210.9	197.5	186.8	176.6	159.7
12	163.2	181.9	193.1	204.9	217.8	224.4	231.3	239.1	247.3	261.8	275.4	289.7	317.5
13	295.1	268.8	255.2	241.1	226.9	220.5	213.5	206.8	201.3	189.0	178.6	169.9	153.9
14	154.8	171.9	182.4	193.0	205.4	211.7	218.0	225.4	232.4	246.4	259.4	273.7	300.0
15	282.6	258.2	244.3	231.4	218.5	211.8	205.9	199.0	194.0	182.2	172.3	163.8	148.5
16	147.0	163.3	173.0	182.8	194.1	199.7	206.0	212.2	219.0	231.7	243.1	255.8	280.1
17	172.6	174.2	173.3	173.9	174.3	173.4	172.5	172.6	172.7	172.0	171.8	171.5	171.0
19	232.9	209.4	197.2	185.9	174.8	169.6	164.5	159.2	154.1	145.6	136.9	130.5	117.6
20	119.0	132.5	139.4	148.2	156.7	161.4	166.6	172.2	177.3	188.4	199.5	210.8	233.3
21	213.5	189.6	177.6	167.5	158.0	152.6	147.4	142.8	138.8	131.2	124.2	118.1	107.6
22	107.6	117.5	124.6	131.9	140.3	144.4	149.1	154.2	159.1	169.9	180.5	191.6	213.6
23	173.7	153.2	143.6	135.0	126.4	122.0	118.5	114.5	111.6	105.7	100.1	95.0	87.1
24	84.2	92.3	96.9	103.0	108.8	112.0	115.7	119.0	123.1	131.1	139.6	148.6	167.7
25	158.2	139.5	130.9	122.4	115.5	111.8	108.8	105.8	102.8	97.6	92.5	89.1	78.9
26	79.0	88.4	91.8	96.3	102.4	105.0	108.5	112.2	116.0	123.4	131.3	140.1	158.9
43	326.9	300.4	286.7	273.0	258.4	251.0	244.3	236.7	230.0	217.6	205.9	195.3	177.3
44	172.5	191.8	202.7	213.5	226.7	232.8	240.5	247.7	255.5	270.3	284.0	298.1	327.2
67	159.5	140.6	131.9	123.7	116.2	112.3	109.4	106.6	103.4	98.1	92.7	88.8	78.7
68	80.0	89.7	93.9	98.9	105.1	107.5	111.3	115.0	118.6	126.7	135.0	143.9	163.1
85	396.2	367.3	352.5	337.5	320.6	312.1	304.6	295.9	288.6	274.2	259.9	247.1	225.7
86	233.7	257.0	270.4	285.0	299.9	307.8	316.0	324.0	333.5	349.0	363.6	378.4	408.5
87	387.1	370.0	360.6	351.8	340.8	336.3	329.2	323.1	317.6	306.3	294.6	286.5	268.7
88	276.8	294.4	304.3	314.3	325.2	330.8	336.5	342.4	348.8	356.9	364.7	372.7	388.1
89	164.7	160.5	159.1	157.2	155.0	153.9	153.6	151.8	151.4	149.6	147.6	145.9	142.5
90	144.0	147.0	149.0	151.0	153.1	153.5	154.5	154.9	156.3	158.1	159.2	160.8	165.7
91	151.4	151.2	151.9	151.9	152.0	151.4	151.3	150.8	151.7	151.2	151.3	151.4	151.0
921	206.8	208.2	209.6	210.3	211.1	210.9	211.3	210.9	211.5	210.7	209.5	208.6	207.0

Table CXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 450 Pi	R: 442 Pi	R: 443 Pi	R: 444 Pi	R: 445 Pi	R: 446 Pi	R: 447 Pi	R: 448 Pi	R: 449 Pi	R: 451 Pi	R: 452 Pi	R: 453 Pi	R: 454 Pi
922	353.4	354.8	356.5	358.0	359.1	358.6	359.7	359.0	358.4	355.8	353.6	352.0	350.2
93	240.1	239.9	240.2	240.8	240.6	240.4	240.2	239.8	240.4	239.0	238.9	237.7	237.5
94	334.5	338.7	341.7	344.5	347.2	348.4	349.6	349.4	350.0	349.7	348.1	348.0	348.6
95	162.4	162.4	163.7	164.1	164.4	164.7	165.0	164.8	165.4	165.3	165.3	166.1	166.2
125	184.9	163.9	153.9	144.6	136.1	131.5	127.7	123.5	120.5	114.4	108.5	103.8	95.2
126	99.2	107.7	113.6	119.6	126.9	130.6	134.8	138.7	143.6	152.8	162.1	172.5	193.4
128	126.7	127.7	128.5	128.0	128.8	128.8	128.9	129.0	129.0	127.4	126.6	127.1	131.5
132	115.5	114.0	114.0	113.6	113.6	114.0	115.5	116.3	116.0	114.2	114.4	114.9	115.6
201	610.8	615.5	618.0	620.4	622.0	622.9	622.2	621.8	621.9	616.9	613.9	609.7	601.2
202	763.4	769.1	772.5	775.4	778.0	779.3	777.8	776.9	777.2	772.6	768.2	764.5	752.9
203	860.2	867.3	871.7	875.9	877.1	877.6	876.1	874.6	875.2	871.2	865.2	862.3	850.5
204	901.7	911.0	915.3	918.8	920.1	920.1	920.1	916.8	918.2	913.4	906.4	903.1	890.1
205	865.7	876.1	880.5	883.4	886.1	886.7	886.5	883.8	884.3	879.6	873.3	870.5	858.4
206	779.7	787.6	790.9	793.5	796.9	797.2	797.3	794.3	794.4	790.3	784.2	780.4	770.1
207	682.4	689.3	692.0	695.6	697.3	698.3	698.6	696.7	697.4	693.4	687.8	685.4	676.4
208	611.4	617.1	619.8	621.6	623.8	624.9	624.8	623.5	622.9	620.0	614.8	613.2	605.2
209	760.0	734.0	719.8	705.9	688.8	679.7	670.5	659.5	649.9	630.3	610.8	594.0	557.5
210	848.2	831.7	822.1	809.9	797.9	790.0	783.6	772.7	766.5	749.0	731.7	716.5	682.2
211	905.9	901.9	898.9	894.2	889.0	884.0	880.8	873.5	870.1	857.8	844.8	834.5	808.7
212	830.3	853.9	864.7	874.8	883.4	887.9	891.6	893.3	897.0	901.2	900.6	904.6	906.0
213	715.0	746.6	761.8	777.0	791.5	799.1	806.9	811.7	819.0	828.6	835.5	845.3	858.7
214	573.7	609.9	628.3	648.0	665.4	675.2	685.9	693.0	703.4	717.7	730.7	744.6	768.4
215	204.3	204.6	205.1	205.2	204.6	204.5	204.2	204.0	204.1	202.0	200.8	198.9	196.7
216	406.6	377.2	362.4	347.4	330.7	322.3	314.1	306.2	298.5	284.0	268.8	257.0	234.9
217	240.7	264.3	277.6	292.0	307.1	315.1	322.6	330.8	340.4	355.9	370.8	386.1	415.9
218	360.0	358.7	358.1	358.1	358.1	357.3	355.9	354.7	354.0	349.8	345.5	343.8	337.9
219	209.7	186.6	175.8	165.5	155.4	150.6	145.0	140.3	136.7	128.7	122.3	116.1	105.9
220	107.2	116.9	124.5	131.6	140.0	144.0	148.5	153.3	158.6	169.0	179.6	190.4	213.3
221	155.2	137.0	128.2	120.7	113.5	110.8	107.7	104.1	101.6	97.0	92.0	88.8	79.7
222	78.6	86.7	91.4	95.3	100.1	103.6	106.4	109.2	112.9	120.5	128.3	136.8	154.8
223	152.9	134.7	126.2	118.8	111.6	108.9	105.8	102.3	99.7	94.5	90.6	86.2	76.7
224	76.3	84.8	89.7	94.0	98.7	102.1	105.2	107.9	112.0	118.7	126.6	135.3	153.2
225	134.4	135.7	136.6	137.5	137.8	138.0	137.0	136.6	136.6	135.8	134.9	134.3	133.5
226	319.0	322.8	325.5	327.5	328.4	328.4	328.0	328.3	327.7	326.0	323.9	322.9	319.9
227	370.2	373.5	375.7	378.5	379.1	379.3	379.4	379.1	379.3	378.3	376.5	375.8	373.4
228	439.2	442.7	445.3	446.9	448.7	448.6	448.3	448.0	447.8	446.1	444.3	442.0	437.7

Table CXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 450	R 442	R 443	R 444	R 445	R 446	R 447	R 448	R 449	R 451	R 452	R 453	R 454	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	459.1	461.7	463.6	465.8	467.9	466.1	466.7	466.2	466.1	463.8	460.2	458.3	454.5	
230	180.6	181.0	181.3	181.7	181.4	181.5	181.5	180.9	181.6	181.2	180.8	179.9	179.9	
231	523.2	490.8	475.3	459.4	441.7	432.9	423.9	414.7	406.0	388.6	372.8	357.1	331.4	
232	675.5	646.9	631.6	615.9	598.1	589.7	580.3	568.5	559.1	540.3	520.7	502.8	469.8	
233	462.0	497.7	516.5	536.6	556.7	566.0	577.7	585.6	595.2	612.2	627.7	642.3	670.6	
234	328.3	357.1	373.4	389.2	407.1	415.2	425.5	434.5	443.1	460.7	476.7	491.0	522.8	
235	236.3	213.0	201.1	190.5	179.3	174.1	168.4	162.8	158.4	149.3	141.4	134.0	121.0	
236	233.9	217.0	208.1	199.6	190.5	186.0	181.7	177.2	173.2	164.7	156.8	149.6	136.1	
237	192.0	185.8	181.8	179.1	175.7	174.2	172.1	170.5	169.1	165.7	162.7	159.6	153.5	
238	179.6	177.1	175.5	174.0	171.6	170.5	168.9	167.5	167.0	164.5	162.7	161.4	157.7	
239	166.7	165.3	165.4	165.3	164.7	164.8	164.3	163.5	163.4	162.9	162.4	162.4	162.2	
240	118.6	117.3	116.8	119.7	120.1	119.9	119.8	119.6	120.1	120.1	120.2	116.9	115.6	
241	161.3	150.8	144.4	138.3	132.7	130.2	127.3	124.8	122.7	117.5	112.5	109.4	98.0	
242	32.5	29.7	28.5	27.6	27.1	28.0	27.7	26.7	26.5	27.0	27.8	28.7	30.7	
243	90.3	92.0	92.9	94.6	94.4	94.4	93.9	93.9	94.6	94.4	92.9	93.8	91.2	
244	126.8	127.1	127.9	129.1	129.5	129.8	129.8	129.2	129.3	129.1	127.9	127.6	127.4	
245	127.6	129.6	129.8	130.6	130.2	130.7	130.6	130.4	130.4	131.2	130.5	129.7	128.2	
246	226.6	200.9	189.4	179.6	170.1	165.2	160.7	155.3	150.5	143.0	135.9	130.0	118.7	
247	221.0	197.2	185.1	174.2	163.4	158.3	152.9	147.6	143.6	134.9	127.8	120.2	108.5	
248	169.9	150.0	141.2	132.7	124.5	121.1	117.5	113.7	111.2	105.3	100.4	95.3	86.5	
249	87.0	95.4	100.4	105.7	111.8	115.4	118.5	122.7	126.9	135.0	143.7	153.4	173.7	
250	143.7	127.8	120.3	113.6	107.6	105.1	102.8	100.1	98.5	97.3	97.4	95.4	89.8	
251	96.6	84.7	79.6	75.1	70.6	68.8	67.4	65.0	63.4	61.2	58.4	54.6	50.5	
252	479.6	481.4	483.6	486.7	488.4	487.7	488.7	488.4	487.0	485.9	483.3	480.8	477.3	

Table CXX: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 456 Pi	R: 457 Pi	R: 458 Pi	R: 459 Pi
2	374.7	374.3	371.8	365.7
3	315.1	284.1	255.4	206.9
4	263.8	293.0	324.0	383.9
5	293.6	265.5	238.7	193.2
6	240.6	268.4	296.7	353.9
7	277.7	250.4	224.9	183.2
8	231.7	257.2	284.6	339.2
9	152.2	152.8	151.7	148.3
10	298.2	297.7	296.1	293.9
11	251.0	223.0	197.8	158.9
12	203.0	228.1	255.8	312.9
13	240.1	213.6	190.2	154.3
14	193.1	216.5	243.2	297.6
15	225.4	201.1	179.1	145.6
16	180.5	201.9	225.8	275.1
17	138.3	138.5	137.2	134.7
19	186.7	166.0	147.6	118.7
20	150.4	168.1	189.1	236.0
21	168.2	147.8	131.4	106.6
22	132.8	149.9	169.9	216.7
23	135.5	120.0	108.0	87.4
24	104.6	117.0	131.7	167.1
25	122.2	108.7	97.7	78.2
26	96.8	108.3	122.5	158.4
43	280.1	251.6	224.8	182.1
44	221.0	246.7	276.0	337.9
67	126.0	111.6	100.9	79.8
68	101.7	113.8	128.8	166.5
85	331.3	300.1	271.2	221.6
86	282.1	312.2	342.7	404.8
87	393.1	368.9	344.5	303.2
88	354.8	377.8	400.2	436.6
89	195.3	190.3	185.6	177.7
90	186.5	191.9	195.9	204.7
91	189.2	189.0	188.9	188.9
921	173.4	173.5	173.3	169.2

Table CXX: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R 456 Pi	R 457 Pi	R 458 Pi	R 459 Pi
922	415.0	416.7	413.9	407.8
93	290.1	289.5	289.1	286.9
94	403.0	408.0	409.7	408.3
95	203.6	204.7	206.3	207.4
125	139.4	123.0	110.8	91.6
126	115.4	129.7	146.3	186.4
128	103.9	104.2	103.1	107.7
132	143.1	145.4	144.7	145.5
201	558.9	558.2	553.1	536.8
202	726.5	727.5	721.7	702.9
203	840.2	841.6	836.2	815.6
204	911.4	911.8	905.2	883.3
205	907.7	908.6	901.9	881.1
206	840.4	843.7	835.6	815.8
207	752.2	755.3	749.4	731.9
208	681.3	682.9	677.6	664.0
209	691.4	658.1	619.8	548.1
210	798.8	773.6	739.6	675.0
211	885.8	871.9	850.1	802.6
212	868.3	883.1	891.8	897.7
213	768.9	795.8	817.1	848.7
214	638.3	673.7	703.6	756.1
215	168.9	167.8	166.0	160.7
216	348.7	316.9	287.4	237.3
217	295.5	325.7	356.7	418.4
218	416.5	414.2	407.8	395.3
219	166.3	146.8	130.4	108.3
220	133.4	150.3	169.6	216.6
221	121.9	109.2	98.3	78.7
222	96.5	107.9	121.1	157.6
223	121.6	108.7	96.9	75.7
224	95.7	107.3	121.2	157.5
225	111.6	111.4	110.0	107.4
226	274.0	275.6	273.3	270.0
227	322.8	324.3	323.3	320.0
228	386.9	387.1	385.0	379.4

Table CXX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 456 Pi	R: 457 Pi	R: 458 Pi	R: 459 Pi
229	530.3	531.2	528.1	518.7
230	223.4	223.9	223.2	222.5
231	446.6	412.6	379.2	321.6
232	599.8	565.3	528.4	458.8
233	523.8	562.7	595.8	654.9
234	377.3	411.0	444.7	509.0
235	200.3	177.1	157.3	122.8
236	226.2	204.1	184.5	160.0
237	220.5	212.1	203.2	187.5
238	214.3	209.0	204.4	195.6
239	205.6	203.8	203.4	201.7
240	152.8	151.0	151.2	146.4
241	161.9	148.4	136.1	112.1
242	25.4	25.2	24.6	25.4
243	73.9	74.7	73.3	70.5
244	104.5	105.2	103.8	102.0
245	105.2	105.7	105.5	103.2
246	183.0	161.3	141.5	113.2
247	175.0	152.0	133.2	103.2
248	128.6	114.0	102.8	83.3
249	102.5	114.6	129.3	167.4
250	105.6	95.6	87.3	78.8
251	76.0	67.7	61.5	48.4
252	553.6	554.2	551.5	542.4

Table CXXI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 373 Pi	R: 358 Pi	R: 360 Pi	R: 361 Pi	R: 363 Pi	R: 364 Pi	R: 365 Pi	R: 366 Pi	R: 367 Pi	R: 368 Pi	R: 370 Pi	R: 372 Pi	R: 374 Pi
2	197.1	197.8	199.0	198.7	199.1	199.8	199.2	199.3	199.4	198.4	198.0	197.4	196.0
3	319.7	313.8	299.6	291.7	277.6	272.9	263.7	257.4	252.2	245.2	232.2	222.3	196.7
4	224.1	229.4	241.1	246.6	259.6	267.9	273.3	281.1	289.2	295.6	308.7	323.5	355.8
5	326.2	319.3	304.6	295.8	281.4	276.6	267.2	260.6	254.5	247.9	234.2	224.1	198.2
6	223.2	228.1	240.6	246.7	259.6	268.1	273.8	281.8	289.9	296.7	310.8	326.5	360.7
7	332.1	324.5	309.6	302.0	286.6	280.1	272.1	265.7	259.1	252.1	238.2	226.8	200.9
8	230.0	235.7	247.7	254.2	267.8	275.7	282.6	290.6	297.7	305.1	320.0	334.8	369.0
9	297.8	298.2	297.8	298.5	298.6	299.8	299.4	300.2	299.6	298.6	297.8	297.4	292.8
10	148.4	148.5	149.1	149.0	148.0	149.4	148.7	148.7	148.8	147.9	148.5	148.5	148.1
11	290.3	283.7	268.0	261.2	246.5	240.4	233.4	227.3	220.3	213.4	201.8	191.5	167.6
12	191.3	196.2	207.9	213.6	224.2	232.8	238.7	246.3	253.6	259.6	274.2	288.1	320.9
13	276.7	270.0	254.7	247.7	232.7	227.8	220.2	214.5	208.2	200.9	190.6	181.0	157.9
14	180.8	185.8	197.5	202.9	214.3	222.2	228.4	235.8	243.3	249.3	264.3	278.2	311.7
15	270.4	263.7	249.9	242.9	229.0	224.3	217.2	211.2	205.7	198.8	188.6	179.5	157.7
16	173.2	177.8	188.3	193.6	203.9	211.1	216.9	224.0	230.6	236.0	249.9	263.2	294.1
17	292.8	295.1	296.5	297.9	296.3	298.7	298.3	299.3	300.4	298.3	295.3	293.3	283.7
19	206.0	200.0	187.8	181.5	169.4	166.5	159.4	154.3	149.9	144.7	136.6	130.0	113.1
20	130.9	134.0	141.4	145.3	153.0	159.3	162.9	168.5	173.9	177.8	189.1	200.5	228.2
21	183.9	179.0	168.3	163.1	152.5	149.7	144.4	141.0	137.2	132.6	126.2	120.6	106.7
22	117.2	120.1	127.0	129.7	136.4	143.0	145.7	151.0	155.7	159.7	170.2	181.8	209.2
23	153.1	148.7	139.8	134.8	126.1	124.5	119.4	116.6	114.4	110.3	104.6	100.6	87.3
24	97.7	99.2	104.7	107.6	112.5	118.1	119.8	123.9	128.5	131.4	139.5	150.1	172.6
25	143.3	138.9	130.3	125.8	117.7	116.1	111.0	108.5	106.3	102.2	97.4	95.0	81.9
26	91.5	93.2	98.0	100.4	106.1	110.9	111.9	116.7	121.4	123.7	131.5	141.9	164.0
43	266.5	260.0	247.4	240.0	227.3	223.1	215.6	210.4	205.5	198.5	188.6	180.8	160.2
44	174.1	178.0	188.9	193.1	204.3	212.5	217.0	224.5	232.8	238.5	252.3	268.0	301.3
67	133.4	129.4	121.7	117.4	110.2	109.7	104.5	101.9	100.6	96.7	92.2	89.7	78.5
68	87.4	89.4	93.5	95.2	100.1	105.8	106.3	110.4	114.7	116.7	124.2	133.9	154.9
85	365.0	358.4	342.1	335.2	319.8	312.5	304.3	297.1	289.8	283.0	268.9	256.2	227.2
86	261.7	267.7	280.8	288.1	301.8	311.0	317.9	326.3	334.1	341.2	356.7	371.5	407.0
87	265.7	262.5	255.8	252.3	243.7	241.0	235.6	232.4	228.5	223.9	216.8	210.0	193.4
88	209.8	213.6	220.0	224.2	230.6	235.6	238.6	242.8	246.7	249.6	256.5	262.8	277.3
89	91.4	91.5	90.0	89.3	86.6	87.9	87.1	86.8	87.0	85.7	86.5	86.4	83.6
90	85.5	85.8	86.5	86.8	86.2	88.0	87.7	88.1	88.9	88.9	91.8	93.4	94.1
91	85.9	86.5	86.7	86.7	85.7	87.6	86.5	86.7	87.2	86.1	86.9	87.5	86.4
921	329.0	329.2	330.0	330.8	330.2	332.1	331.0	331.3	332.3	330.8	330.7	329.2	323.3

Table CXXI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	$.0^\circ$	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 373	R 358	R 360	R 361	R 363	R 364	R 365	R 366	R 367	R 368	R 370	R 372	R 374
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	231.2	231.5	232.8	232.9	234.9	234.9	234.6	233.8	233.8	233.5	232.5	230.2	229.5
93	143.8	144.2	143.9	144.0	143.1	144.8	143.7	143.7	144.5	143.6	144.2	144.7	143.1
94	219.1	219.8	221.5	222.5	223.2	225.4	224.8	225.7	226.0	225.6	226.3	226.3	226.5
95	93.5	94.2	94.3	94.0	93.2	95.5	94.1	94.8	95.2	94.4	95.0	96.4	95.4
125	172.5	167.4	155.9	150.5	139.9	136.7	130.7	127.1	123.8	119.6	113.1	109.0	96.1
126	112.8	115.9	122.3	125.2	132.5	138.2	141.5	146.3	152.0	156.5	166.3	179.3	207.1
128	222.1	222.0	221.6	221.6	221.1	222.8	220.6	221.3	222.3	221.4	220.3	220.4	217.4
132	68.9	68.9	69.2	69.0	68.7	71.0	69.7	69.6	70.7	69.6	69.3	70.2	68.5
201	765.8	767.0	770.3	771.9	774.0	774.8	773.2	772.1	771.2	768.5	763.6	759.1	746.4
202	869.3	869.9	874.6	876.0	879.1	879.8	879.2	879.4	877.7	874.7	867.8	864.5	848.3
203	911.7	912.7	917.0	918.7	922.7	923.6	922.2	922.9	920.0	917.9	912.6	908.0	891.2
204	882.5	883.7	887.2	888.8	892.7	893.3	892.0	890.8	888.0	885.8	882.1	876.7	862.0
205	778.3	778.9	782.5	784.0	785.6	786.8	786.6	786.1	784.3	781.8	779.0	774.8	763.5
206	641.9	643.6	645.3	646.9	649.1	648.1	648.6	647.0	646.3	644.8	640.8	638.5	629.4
207	530.4	530.4	533.7	535.0	536.1	537.0	536.3	535.2	535.5	533.9	531.6	529.7	522.7
208	470.3	471.6	474.2	475.8	477.7	477.8	477.0	476.8	476.4	475.1	473.8	470.6	464.1
209	730.6	724.5	710.0	703.8	688.1	679.8	668.9	658.9	648.8	640.2	620.4	601.0	558.7
210	816.0	811.1	801.3	796.5	785.2	778.0	769.7	760.8	752.3	745.6	728.4	711.8	671.8
211	877.2	873.9	871.4	869.3	864.6	861.2	856.7	851.2	845.1	840.7	828.6	816.8	788.2
212	827.6	832.0	842.1	848.2	858.5	863.6	866.5	868.6	871.4	871.9	876.6	877.9	879.8
213	731.5	738.0	752.9	761.4	777.5	785.1	791.3	796.7	804.1	807.4	818.0	825.3	844.1
214	606.4	614.6	634.5	643.6	664.4	672.5	683.4	691.7	700.0	708.0	722.1	734.8	767.1
215	321.5	321.5	321.5	321.5	321.3	321.6	320.7	320.4	320.6	319.0	317.8	315.8	309.2
216	354.2	347.0	331.7	324.9	310.5	303.7	296.1	288.8	282.5	275.8	261.9	250.0	222.4
217	252.4	256.6	270.4	277.3	291.8	299.5	306.5	314.4	321.6	329.3	343.9	358.5	392.8
218	232.7	232.7	232.8	232.8	232.0	232.6	231.3	230.8	229.6	229.0	227.2	224.6	220.7
219	177.8	172.5	162.6	157.8	148.1	145.0	140.3	136.6	133.0	128.8	123.1	117.4	103.8
220	114.9	118.1	125.0	127.8	135.0	140.0	143.3	147.8	153.0	157.0	167.1	177.8	203.4
221	133.2	129.1	121.5	118.1	110.1	108.9	105.3	102.3	100.3	97.2	93.3	90.4	77.7
222	86.3	88.0	92.5	93.9	98.3	103.1	105.2	108.2	112.3	115.0	123.0	131.2	152.0
223	126.0	122.6	115.4	112.0	105.0	103.8	100.5	97.9	96.2	92.6	89.7	86.8	74.7
224	82.8	85.0	89.0	90.7	93.7	97.7	99.8	102.8	106.5	108.9	116.3	124.4	144.0
225	230.8	231.5	231.5	232.1	230.6	232.1	232.0	231.6	231.3	230.8	230.6	229.2	225.9
226	467.8	468.0	471.5	472.0	474.2	474.3	474.4	473.3	473.6	473.0	471.0	467.9	462.0
227	536.3	537.3	540.5	540.6	541.9	542.9	542.0	541.6	540.7	539.6	537.5	534.1	528.6
228	629.4	630.6	634.7	635.7	636.8	636.2	635.0	635.0	635.2	633.2	630.8	626.7	617.1

Table CXXI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 373	R 358	R 360	R 361	R 363	R 364	R 365	R 366	R 367	R 368	R 370	R 372	R 374	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	316.8	317.6	319.3	319.6	321.0	321.4	321.9	320.7	320.6	319.8	317.9	314.9	313.4	
230	104.6	104.9	104.7	105.0	103.6	105.5	104.7	104.8	105.4	104.5	105.6	105.7	104.2	
231	505.0	496.5	481.0	472.9	455.0	446.2	436.9	428.2	420.1	412.1	395.7	378.8	344.7	
232	654.1	647.0	633.5	625.2	608.7	598.2	589.4	578.3	569.7	559.9	540.1	519.9	477.2	
233	508.2	516.7	537.0	547.1	567.5	576.6	586.3	597.3	606.7	614.9	629.9	645.6	681.6	
234	377.1	384.0	400.4	408.6	426.0	435.1	443.4	452.6	462.0	470.9	485.6	501.8	539.9	
235	174.6	169.4	160.7	156.8	147.3	145.3	139.9	136.7	133.8	129.2	123.9	119.0	105.9	
236	144.0	141.6	136.5	133.6	128.0	127.4	123.7	121.7	120.2	116.8	113.9	111.8	101.3	
237	108.0	106.8	104.9	104.0	101.7	103.1	100.7	100.0	100.0	98.7	98.0	97.5	92.7	
238	101.4	100.6	99.6	98.8	97.1	99.2	97.1	97.1	97.2	96.1	96.4	96.5	93.0	
239	94.9	95.1	94.6	94.3	93.2	95.3	93.8	93.9	94.6	93.6	93.9	95.2	93.3	
240	87.1	88.8	88.7	88.0	85.1	88.9	89.1	89.9	70.9	89.9	89.3	88.3	86.4	
241	87.1	85.1	81.7	80.1	77.8	79.4	76.7	76.7	77.2	76.0	75.5	76.7	72.1	
242	49.8	48.4	44.8	42.7	39.3	41.5	39.0	39.2	41.6	41.7	45.2	49.7	52.5	
243	158.6	159.1	159.9	159.4	159.7	161.9	159.9	159.9	160.9	159.4	159.6	160.4	156.2	
244	220.3	220.9	222.1	221.5	221.8	224.0	222.3	222.8	223.5	222.2	220.8	220.8	217.5	
245	223.8	223.8	225.0	224.8	224.9	227.4	225.4	225.1	226.4	225.0	223.9	223.6	219.2	
246	234.0	228.3	216.1	209.5	198.2	194.8	187.1	181.4	176.4	170.7	161.4	154.0	132.9	
247	178.4	173.8	164.2	159.3	150.7	146.4	141.8	137.8	134.2	130.3	123.9	118.2	105.4	
248	158.9	154.2	145.0	140.3	131.1	128.0	123.5	120.1	117.0	113.3	107.7	102.0	87.9	
249	102.3	103.7	109.7	113.0	119.1	123.9	127.4	131.7	136.3	139.6	149.9	159.6	185.1	
250	145.2	140.6	131.9	127.6	119.1	115.4	109.4	104.1	99.8	94.1	83.4	73.7	55.4	
251	84.5	82.1	77.7	75.6	71.3	71.3	69.2	67.7	67.1	65.5	63.9	61.1	54.8	
252	341.0	341.9	343.7	343.6	346.1	345.7	346.1	345.0	345.0	344.3	341.9	339.6	337.6	

Table CXXII: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Inverted, Pressures in psf, Side Probes

Orifice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 42	R 38	R 36	R 34	R 33	R 32	R 31	R 30	R 29	R 27	R 43	R 24	R 44	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	195.9	195.9	197.2	197.7	197.7	198.6	198.6	198.2	198.5	197.7	197.1	196.0	194.6	
3	217.4	314.4	301.2	287.9	279.8	274.1	266.1	258.8	252.9	240.6	233.0	222.3	196.8	
4	325.0	225.6	237.4	249.9	256.2	263.0	270.0	276.5	283.4	297.6	304.6	318.7	353.0	
5	218.4	320.4	305.5	291.9	283.4	276.5	269.8	262.1	256.0	242.7	235.7	224.4	197.3	
6	328.3	223.8	236.5	249.3	255.0	263.0	270.0	276.9	285.0	299.2	306.5	321.5	357.1	
7	221.5	323.5	309.5	294.9	287.1	280.9	273.4	266.1	259.3	245.7	239.1	227.4	198.6	
8	336.0	229.6	242.7	255.7	262.4	269.3	276.2	283.5	291.3	306.3	314.4	329.3	365.5	
9	293.4	293.9	295.5	296.9	296.7	297.1	296.9	296.3	295.9	294.8	294.9	294.4	290.7	
10	147.6	147.1	147.4	148.0	148.4	148.9	148.5	148.2	148.3	148.1	147.8	147.9	146.3	
11	185.3	284.2	269.4	254.7	248.4	241.9	234.2	226.8	220.4	207.6	201.4	191.0	166.2	
12	289.0	191.5	202.3	214.1	220.8	227.6	234.5	239.9	247.8	262.0	268.6	283.0	317.0	
13	174.5	270.1	256.1	242.1	235.5	228.6	220.8	213.7	207.5	195.5	189.5	179.4	156.5	
14	279.5	181.2	192.2	203.4	210.2	216.9	223.6	229.6	237.2	251.4	257.5	273.3	307.5	
15	173.4	264.0	251.4	238.1	231.5	225.3	218.0	211.3	205.7	194.0	188.1	178.2	156.2	
16	263.4	173.0	182.9	193.7	199.9	205.6	211.5	217.1	224.5	237.4	243.6	257.3	289.0	
17	289.2	290.5	291.5	293.7	295.6	295.7	294.8	294.3	296.2	295.9	294.3	291.9	282.6	
19	125.3	198.2	186.2	175.4	170.4	165.3	159.7	154.1	150.0	140.8	136.2	128.6	113.9	
20	200.0	131.3	137.9	145.8	150.2	154.5	159.4	163.6	169.1	179.0	183.6	195.2	223.8	
21	115.7	179.7	168.9	159.5	155.1	150.4	145.3	140.4	136.8	128.4	124.5	118.0	105.5	
22	181.7	117.7	124.1	130.8	134.4	138.4	142.7	146.0	151.5	161.2	165.7	176.5	205.4	
23	96.3	148.7	139.6	131.2	127.4	123.9	119.7	115.9	112.8	106.9	102.8	98.1	86.7	
24	149.3	97.2	102.6	108.3	111.1	114.0	116.9	120.5	124.3	132.1	135.9	144.8	168.8	
25	90.0	138.8	129.8	121.8	118.4	115.2	111.1	107.8	105.1	99.1	96.0	92.1	81.2	
26	140.2	91.2	95.6	101.4	104.0	107.4	109.7	112.4	116.4	123.5	127.1	136.0	159.4	
43	174.8	260.8	248.4	235.7	229.2	223.8	216.8	210.6	205.3	194.0	188.5	179.4	158.4	
44	269.1	174.6	184.6	195.0	200.8	206.8	213.1	218.7	226.2	241.3	247.5	262.7	297.2	
67	85.5	129.9	121.8	114.7	110.8	108.1	104.5	101.4	98.8	93.7	90.5	87.5	77.4	
68	132.4	87.6	91.7	96.9	98.9	102.5	104.7	106.9	110.6	117.3	120.4	128.8	150.2	
85	251.7	358.7	343.2	329.1	321.8	314.4	305.9	298.7	292.3	278.0	270.7	257.9	227.7	
86	374.8	263.1	275.5	290.1	297.6	305.7	313.3	320.1	329.5	345.3	352.8	367.9	405.0	
87	206.8	263.0	256.7	250.0	246.4	242.5	237.8	233.9	229.6	222.2	217.2	209.9	193.3	
88	265.1	210.4	217.6	226.1	229.8	234.2	237.4	240.3	244.5	252.3	254.8	262.2	276.7	
89	83.6	89.9	88.8	87.4	86.7	86.6	85.9	85.3	85.8	85.0	84.2	83.7	82.6	
90	91.2	84.2	84.7	85.7	85.8	86.4	86.3	86.0	87.0	88.5	88.8	90.6	92.6	
91	84.5	84.4	84.9	85.3	85.2	85.4	85.2	84.5	85.1	85.1	84.6	84.4	85.0	
921	324.2	325.2	326.1	329.5	329.5	330.0	329.4	328.7	328.8	327.3	327.1	325.7	322.1	

Table CXXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 42	R 38	R 36	R 34	R 33	R 32	R 31	R 30	R 29	R 27	R 43	R 24	R 44	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	230.9	230.8	232.0	233.7	233.3	233.2	234.0	234.9	233.7	233.4	233.3	230.9	228.0	
93	143.2	142.4	143.9	143.9	144.8	144.4	144.3	144.4	144.8	143.9	143.6	143.5	142.8	
94	226.0	217.9	220.3	222.7	223.3	224.6	224.5	224.7	226.1	225.9	226.3	225.3	226.2	
95	93.5	92.0	92.7	93.2	93.0	93.3	93.3	92.6	93.3	93.4	92.8	93.5	94.0	
125	104.0	167.5	157.2	146.8	141.4	135.7	131.6	126.5	123.0	115.9	112.0	105.7	95.4	
126	179.8	113.2	119.6	126.5	130.0	133.9	138.4	143.2	147.8	158.4	162.9	173.6	203.4	
128	215.5	218.3	219.0	218.8	219.0	218.7	219.0	218.6	218.9	218.1	217.0	215.0	214.6	
132	67.1	67.7	68.1	68.3	68.1	68.5	68.6	67.5	67.9	67.4	66.8	67.1	67.4	
201	758.3	760.2	763.8	769.1	771.3	770.7	771.4	772.0	770.1	766.2	764.6	761.1	747.0	
202	862.5	864.5	868.0	874.3	876.2	877.8	877.0	877.9	876.0	872.5	870.3	866.0	851.3	
203	906.0	906.7	911.6	917.0	918.8	919.6	918.1	920.0	919.3	915.7	914.7	908.8	895.9	
204	877.1	878.8	881.6	888.3	889.1	892.2	891.2	892.4	891.7	887.3	885.0	879.8	867.1	
205	777.3	774.6	777.7	783.1	785.8	787.1	787.3	787.6	786.3	784.5	783.2	778.6	767.3	
206	639.7	639.2	642.5	646.0	647.4	648.1	648.7	647.8	647.5	646.2	645.1	641.7	630.2	
207	532.0	528.5	530.4	533.5	534.4	536.2	536.1	536.4	535.7	535.9	534.7	532.9	524.4	
208	472.2	469.3	471.7	474.5	475.5	476.0	476.3	476.8	476.1	476.6	475.0	472.1	465.1	
209	595.7	722.6	710.2	696.5	689.2	681.3	671.4	661.5	652.6	633.1	624.3	605.0	558.9	
210	706.5	808.1	799.8	790.9	785.9	779.3	771.6	764.9	757.2	740.5	732.4	714.8	673.3	
211	814.9	870.1	867.7	865.2	863.7	861.4	856.4	854.1	849.5	837.3	831.8	819.7	790.2	
212	880.0	825.2	836.2	850.1	854.2	859.8	862.9	868.2	872.2	876.1	877.9	879.3	882.8	
213	828.5	730.2	745.6	764.1	771.9	779.3	785.8	793.5	801.5	811.7	817.1	825.3	844.3	
214	739.1	605.4	626.0	646.3	656.7	665.9	676.1	686.7	696.5	712.0	719.6	733.6	765.6	
215	311.6	316.1	318.0	319.0	319.3	318.4	318.6	317.6	316.8	314.5	314.0	312.5	307.2	
216	245.9	346.8	333.6	319.9	312.2	305.8	298.9	291.3	284.1	270.3	263.7	251.3	222.8	
217	361.8	253.5	267.0	280.1	287.6	294.2	301.4	309.1	316.8	332.0	339.8	354.6	391.0	
218	224.3	232.1	232.0	232.6	232.0	232.4	231.7	230.5	230.5	228.3	228.0	225.3	220.5	
219	112.1	175.0	164.2	154.6	150.6	145.3	141.1	137.0	132.8	125.0	122.0	114.3	102.5	
220	179.0	116.4	122.7	129.2	133.2	136.8	140.8	144.3	149.8	159.5	164.0	173.9	201.2	
221	86.2	130.6	121.6	114.3	110.8	107.8	105.0	100.9	98.4	93.8	91.4	87.8	77.8	
222	130.5	86.3	90.0	94.9	97.5	99.9	102.6	105.5	108.5	115.7	118.3	126.7	148.4	
223	82.4	123.2	115.6	108.7	105.3	102.7	99.7	95.9	94.1	90.0	88.0	84.4	74.9	
224	123.5	83.2	86.7	90.8	93.2	95.5	98.0	100.0	103.5	109.3	112.5	119.8	140.6	
225	225.7	226.3	226.6	227.6	227.8	228.4	228.1	227.6	229.3	227.7	226.2	226.6	225.8	
226	464.7	462.4	464.8	466.6	467.8	468.0	468.7	469.2	468.7	467.8	467.2	465.7	460.1	
227	532.0	530.5	532.5	534.9	535.7	536.1	536.3	537.0	536.6	536.1	535.0	533.3	527.5	
228	623.3	622.6	625.3	629.7	631.1	630.8	631.7	631.6	631.4	629.2	628.4	625.4	616.6	

Table CXXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 42	R 38	R 36	R 34	R 33	R 32	R 31	R 30	R 29	R 27	R 43	R 24	R 44	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
229	316.4	316.9	318.5	320.0	320.7	320.2	320.9	321.3	320.0	318.6	318.6	316.4	313.0	
230	103.3	103.3	103.3	103.7	103.6	103.8	103.6	102.8	103.5	103.2	102.9	103.5	102.9	
231	371.6	493.7	478.8	462.3	454.6	445.0	436.5	427.8	419.9	402.9	395.4	378.6	342.7	
232	514.8	645.3	632.1	617.1	609.4	600.4	590.3	581.8	571.6	552.3	543.3	522.9	478.0	
233	648.4	507.7	528.4	549.0	559.4	569.5	580.7	590.6	600.3	617.6	626.3	641.6	678.6	
234	505.3	377.5	394.5	411.5	420.0	428.5	438.4	447.5	456.0	473.5	482.6	497.9	536.7	
235	114.0	171.1	161.5	153.8	149.5	145.4	140.6	136.5	134.0	126.4	123.1	116.8	105.3	
236	106.0	141.5	137.1	132.0	129.9	126.8	124.4	121.4	120.3	116.0	113.3	108.5	101.0	
237	94.2	105.8	103.3	102.5	101.7	101.3	100.2	98.7	98.4	97.0	96.0	94.8	92.2	
238	93.3	99.1	98.2	97.6	97.3	97.0	96.7	95.5	95.6	94.9	93.9	93.8	91.9	
239	92.2	93.0	93.3	93.5	93.2	93.0	93.2	92.5	92.7	92.6	92.0	92.1	91.8	
240	64.9	65.5	65.6	65.6	65.5	66.0	68.0	68.0	68.6	68.5	67.4	64.8	65.6	
241	73.9	84.2	81.4	79.4	78.3	77.4	76.7	75.4	75.4	74.6	74.3	73.9	71.2	
242	46.0	47.1	44.0	40.8	39.4	38.8	38.4	37.8	38.7	40.7	41.6	45.1	50.6	
243	156.1	157.2	158.6	158.3	158.3	159.0	158.9	158.0	157.8	156.9	156.5	156.9	154.5	
244	217.8	217.7	218.7	219.9	219.2	219.4	218.9	217.7	218.3	219.1	218.0	218.2	215.6	
245	219.3	221.5	222.5	223.5	223.9	224.2	223.9	222.7	221.9	220.1	220.3	220.1	217.4	
246	148.1	229.4	216.7	205.6	199.1	193.4	187.8	181.6	176.5	166.8	161.4	152.7	133.7	
247	113.5	175.5	165.9	156.3	152.0	146.9	143.2	138.6	134.1	126.1	123.0	116.1	104.3	
248	98.7	155.8	146.5	136.1	131.5	128.1	124.0	119.3	116.4	109.4	105.5	100.4	87.5	
249	160.0	100.4	107.3	113.3	116.2	119.7	123.3	126.9	131.3	140.4	145.6	154.8	182.3	
250	68.7	143.4	132.0	124.6	119.3	115.1	109.9	103.6	98.9	88.5	82.8	72.9	55.3	
251	58.4	81.8	76.7	72.6	70.5	69.0	67.4	65.4	65.2	63.2	61.8	58.8	54.6	
252	341.4	341.3	342.7	344.4	345.2	345.4	345.5	346.0	344.5	343.6	343.4	341.1	337.9	

Table CXXIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 185 Pi	R 176 Pi	R 178 Pi	R 180 Pi	R 182 Pi	R 184 Pi	R 186 Pi	R 187 Pi	R 188 Pi
2	192.3	191.4	191.9	191.9	192.5	192.0	192.4	192.3	192.4
3	295.8	290.3	277.9	266.5	255.4	244.3	233.8	223.5	204.3
4	244.2	248.9	260.0	271.6	283.1	295.2	307.9	320.3	346.2
5	302.0	295.8	282.8	270.6	259.2	247.9	237.5	226.0	206.5
6	244.8	250.3	261.9	273.5	285.8	297.9	311.6	324.4	351.2
7	307.4	301.2	288.5	276.4	264.3	252.4	241.7	230.5	209.6
8	252.5	257.9	269.1	281.9	294.3	307.1	320.8	334.0	361.6
9	300.3	301.2	302.0	301.5	300.7	300.4	300.9	300.1	298.3
10	144.3	143.6	143.4	143.7	143.4	143.3	143.6	143.2	143.6
11	266.9	261.2	249.2	236.9	225.8	214.6	204.6	194.0	174.7
12	211.2	216.4	227.1	238.0	249.4	261.1	274.0	286.8	312.9
13	253.6	248.8	236.5	225.0	213.7	202.9	193.2	182.8	164.9
14	202.1	207.1	217.8	228.8	239.8	251.7	264.4	277.5	303.4
15	248.8	243.0	232.2	221.1	210.6	200.2	190.7	181.4	163.8
16	192.1	196.6	206.6	216.4	227.0	237.7	249.8	262.0	285.9
17	296.7	300.1	300.7	300.5	300.7	301.3	299.5	296.8	288.2
19	185.1	180.6	171.4	162.5	153.5	145.8	138.0	130.1	116.7
20	142.7	146.2	154.2	162.5	171.0	180.2	190.1	199.7	220.3
21	169.1	165.5	157.1	149.0	141.1	134.0	127.3	120.1	108.1
22	129.7	133.1	140.5	147.9	155.9	164.8	174.0	183.4	203.5
23	141.5	138.0	130.8	123.9	117.3	111.4	105.4	99.8	89.7
24	107.1	110.1	116.1	122.5	129.2	136.5	143.9	152.2	168.6
25	132.3	128.9	121.6	115.0	108.8	102.9	97.6	92.1	83.1
26	99.0	101.8	108.0	114.2	120.3	127.7	135.2	142.6	159.3
43	244.0	238.7	228.1	217.9	208.2	198.8	189.8	180.4	164.8
44	190.9	195.9	205.7	216.2	227.2	239.2	251.9	265.4	292.0
67	123.5	120.7	114.2	107.9	102.1	96.9	91.8	86.9	78.9
68	94.6	97.3	102.4	108.1	114.1	120.8	127.9	135.2	151.0
85	339.8	333.3	320.4	306.9	295.0	282.4	271.3	258.9	237.0
86	285.0	290.5	302.7	315.3	327.7	341.2	355.5	369.8	398.0
87	248.6	245.3	238.6	232.5	226.3	219.8	214.2	207.4	195.9
88	217.3	219.4	225.2	231.6	237.8	244.1	250.7	256.8	269.3
89	87.3	86.2	85.0	84.4	84.2	83.6	83.1	82.4	81.6
90	83.8	83.7	84.2	84.9	85.9	87.3	88.6	89.1	90.5
91	83.7	83.6	83.8	83.9	83.9	83.6	83.5	82.9	83.0
921	331.7	332.7	333.3	333.1	332.6	333.2	333.2	331.4	329.8

Table CXXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$ Roll = 90° , Pressures in psf, Side Probes

Orientation ID	Nominal β								
	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 185 Pi	R: 176 Pi	R: 178 Pi	R: 180 Pi	R: 182 Pi	R: 184 Pi	R: 186 Pi	R: 187 Pi	R: 188 Pi
922	227.4	225.9	226.2	226.3	226.5	226.6	227.2	226.9	226.3
93	139.2	138.9	138.9	139.0	139.2	139.2	139.3	138.9	139.2
94	215.8	215.5	215.7	217.1	217.9	219.1	220.4	220.5	222.2
95	91.1	90.7	90.9	91.0	91.4	91.5	91.4	91.3	92.1
125	157.5	153.1	144.3	136.1	128.8	121.5	114.8	108.7	98.7
126	126.3	129.7	136.8	144.5	152.7	162.2	171.5	181.4	202.5
128	217.9	219.2	219.0	218.4	218.5	218.1	217.3	215.6	214.1
132	70.8	70.7	70.9	71.3	70.8	70.4	70.3	69.5	68.9
201	771.2	772.8	773.6	772.6	771.4	770.2	769.2	765.9	759.3
202	873.8	875.1	876.5	875.4	873.9	873.3	871.1	867.9	860.0
203	914.2	915.0	915.3	915.3	914.4	913.7	911.9	908.7	900.8
204	880.7	881.2	881.8	881.8	881.5	880.2	878.2	875.6	868.5
205	774.3	774.5	774.7	775.7	775.3	774.3	773.2	770.8	765.8
206	637.5	636.5	637.5	636.6	636.7	635.7	635.4	633.1	627.8
207	524.6	524.4	524.7	526.2	525.3	524.7	525.3	524.8	521.8
208	466.1	465.5	465.8	466.4	466.5	466.2	466.3	465.5	462.2
209	703.4	696.8	682.1	667.1	652.7	636.7	621.4	606.1	573.8
210	793.9	788.7	777.5	765.5	753.2	739.4	726.9	714.0	685.1
211	863.3	860.3	854.8	848.6	841.5	833.0	825.3	817.2	798.3
212	839.5	841.9	850.2	856.2	862.4	867.1	872.2	875.8	880.8
213	753.8	758.1	770.1	781.7	792.7	803.9	814.3	824.3	840.5
214	635.3	643.5	658.3	675.0	689.6	704.7	719.6	733.7	759.7
215	321.9	322.4	322.5	321.5	320.4	319.8	319.4	317.5	315.3
216	328.0	321.7	309.1	297.1	285.7	273.9	263.0	251.7	230.9
217	274.1	278.9	290.0	302.8	315.0	327.9	341.7	355.0	382.6
218	225.9	224.7	224.0	223.7	223.0	221.9	221.2	220.0	218.1
219	162.7	159.1	150.8	143.4	136.1	129.2	122.3	116.0	104.8
220	127.2	130.5	137.3	144.8	152.5	160.7	169.7	178.3	197.5
221	123.3	120.5	113.9	107.8	102.0	96.5	90.9	86.1	78.5
222	91.7	94.2	99.8	105.6	111.7	118.1	125.1	132.3	148.5
223	117.3	114.3	108.3	102.7	97.3	92.2	87.3	82.5	75.8
224	88.0	90.1	95.4	100.9	106.4	112.8	119.2	125.9	140.9
225	229.3	230.3	230.8	231.0	230.4	230.2	230.1	229.0	227.6
226	473.6	474.3	475.7	475.4	475.5	475.0	475.2	474.1	470.4
227	542.4	543.7	544.6	543.8	544.5	543.3	543.2	541.5	538.6
228	636.3	637.6	636.9	637.7	637.8	637.4	635.9	634.5	628.3

Table CXXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 185	R 176	R 178	R 180	R 182	R 184	R 186	R 187	R 188
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	312.9	311.4	311.4	312.0	311.6	311.5	312.1	311.6	310.1
230	100.7	100.4	100.6	100.9	100.7	100.8	100.8	100.4	100.9
231	476.7	469.2	453.0	438.7	425.0	410.4	397.8	384.2	356.8
232	626.9	620.0	604.8	588.9	573.6	558.2	541.7	525.1	492.3
233	540.0	548.3	564.7	580.9	597.4	612.4	629.0	644.1	673.1
234	404.2	410.6	424.4	439.1	453.9	469.8	486.0	502.2	531.9
235	159.1	155.5	148.1	141.5	135.0	129.1	122.8	116.9	106.8
236	132.7	130.6	126.3	122.7	118.8	115.3	111.5	108.1	100.7
237	101.3	100.4	98.8	98.3	96.9	95.9	94.7	92.9	91.0
238	95.8	95.1	94.6	94.4	93.8	93.2	92.2	91.4	90.5
239	91.2	90.8	90.6	90.8	90.7	90.9	90.3	90.1	90.0
240	66.2	66.1	66.0	67.8	69.6	69.6	68.0	65.5	65.4
241	82.0	80.4	77.9	76.4	75.2	74.2	72.8	71.7	70.7
242	43.3	42.2	40.0	39.4	40.1	41.9	44.4	46.4	50.5
243	155.7	156.3	156.2	156.5	155.9	155.9	156.2	154.7	152.2
244	218.4	220.1	220.0	219.7	219.7	219.6	219.1	217.8	216.1
245	222.5	223.8	224.0	223.8	223.4	223.2	222.5	221.0	218.9
246	215.9	211.2	200.7	191.1	182.0	173.1	164.1	155.4	140.1
247	163.3	159.5	152.1	144.3	137.5	130.3	124.0	117.7	106.9
248	147.0	143.3	135.4	127.6	120.7	113.6	107.5	101.5	90.8
249	111.5	114.6	121.4	128.7	136.3	144.2	152.7	161.4	180.3
250	134.0	130.7	123.2	114.2	104.7	94.1	82.6	71.7	57.8
251	78.0	76.0	72.5	68.9	65.9	63.0	60.5	58.0	54.6
252	336.5	335.6	335.6	336.1	336.0	336.4	336.9	336.4	335.0

Table CXXIV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R: 117 Pi	R: 119 Pi	R: 118 Pi	R: 116 Pi	R: 114 Pi	R: 112 Pi	R: 110 Pi	R: 108 Pi	R: 107 Pi
2	196.1	195.3	195.5	195.6	196.2	195.8	195.7	195.8	194.7
3	250.1	313.6	301.4	289.2	277.5	265.6	255.1	244.3	238.7
4	292.2	229.6	240.1	252.0	262.9	274.2	286.6	298.7	303.7
5	252.8	320.1	307.3	293.8	281.6	269.8	258.6	246.9	241.5
6	294.9	229.2	240.4	252.6	263.8	275.4	288.6	300.8	306.9
7	256.5	326.8	312.1	298.5	286.5	273.7	262.1	251.1	245.8
8	302.9	237.0	248.0	260.0	271.9	283.7	295.4	309.2	315.7
9	297.8	297.4	297.5	298.0	298.7	298.5	297.3	297.7	299.0
10	145.8	145.7	145.8	146.0	146.7	146.1	145.9	146.0	145.3
11	219.2	285.7	272.7	260.1	248.0	235.7	224.3	214.1	209.3
12	258.0	197.7	207.5	218.6	230.0	240.6	252.0	264.6	269.8
13	207.2	272.6	259.5	246.7	235.3	223.2	212.2	202.7	197.5
14	248.0	187.0	196.9	208.2	220.0	230.0	241.1	254.1	259.9
15	204.6	266.1	253.1	242.0	231.0	219.4	209.4	199.5	195.2
16	234.4	179.0	187.7	198.2	208.7	218.0	228.5	240.2	245.6
17	296.1	292.2	293.6	294.9	295.7	296.5	295.7	297.4	297.6
19	149.1	200.4	189.8	180.6	171.0	161.0	152.6	145.2	141.2
20	176.6	132.8	139.4	147.6	155.7	163.5	172.4	181.6	186.1
21	136.9	183.6	173.2	164.8	156.7	148.1	140.4	133.7	130.6
22	160.6	119.7	125.6	133.4	141.1	148.5	156.2	165.7	169.9
23	113.5	152.5	143.9	136.8	130.2	122.6	116.3	110.7	107.9
24	133.0	98.4	103.5	110.2	116.9	122.7	129.6	136.9	140.3
25	104.6	143.2	134.7	127.7	120.7	113.7	107.5	101.9	99.2
26	125.3	91.5	96.3	103.0	109.2	115.0	121.9	129.2	132.4
43	203.6	261.2	249.1	239.1	227.9	217.5	208.0	198.9	194.0
44	236.6	178.4	187.5	198.2	208.8	219.3	230.8	243.0	248.2
67	98.6	133.3	125.8	119.6	113.5	106.8	101.2	95.9	93.7
68	118.9	87.3	91.9	98.1	103.6	109.2	115.7	122.5	125.5
85	287.4	359.1	345.2	332.0	319.1	305.3	293.1	281.5	276.0
86	337.9	268.8	280.2	293.0	306.0	318.1	331.1	345.4	351.3
87	224.7	260.3	254.0	247.1	241.0	234.2	227.9	222.2	218.3
88	245.3	211.6	217.4	224.0	230.6	235.9	241.8	248.6	250.5
89	85.0	89.6	88.4	87.7	86.5	85.5	84.9	84.9	84.5
90	87.9	84.1	84.1	85.2	86.0	85.9	87.0	88.9	89.0
91	84.9	84.2	84.0	84.9	85.2	84.9	84.7	84.9	84.7
921	330.4	329.7	329.8	330.2	330.9	329.6	330.1	330.5	331.6

Table CXXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$ Roll = 270° , Pressures in psf, Side Probes

Orientation ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R: 117 P: 1	R: 119 P: 1	R: 118 P: 1	R: 116 P: 1	R: 114 P: 1	R: 112 P: 1	R: 110 P: 1	R: 108 P: 1	R: 107 P: 1
922	230.8	230.2	230.2	230.8	230.4	230.7	231.2	230.5	229.1
93	141.4	141.6	140.9	141.5	141.6	141.0	141.3	141.4	140.8
94	222.9	217.8	218.3	219.5	220.8	221.0	221.9	223.3	222.6
95	92.8	91.9	91.7	92.6	93.1	92.8	92.7	93.2	92.6
125	124.4	170.5	160.2	151.7	143.7	135.0	127.9	121.1	118.1
126	157.2	115.4	121.4	129.1	136.8	144.3	153.1	161.8	166.0
128	214.7	214.9	214.3	215.8	215.9	214.9	214.9	214.6	214.9
132	70.9	69.4	69.5	70.9	71.3	71.6	71.0	71.2	70.9
201	768.8	769.1	770.8	770.3	771.6	771.0	768.5	769.1	768.1
202	873.4	873.9	873.9	874.9	877.0	875.9	874.0	873.0	872.2
203	916.2	915.3	916.2	917.1	919.5	918.5	916.5	915.6	914.5
204	885.2	883.7	884.5	886.1	888.3	887.2	885.7	884.9	882.6
205	780.7	777.0	779.3	780.2	782.7	782.3	781.2	780.2	777.2
206	642.5	641.4	643.0	644.0	644.3	644.3	643.3	642.8	640.4
207	532.5	529.8	531.1	531.0	532.9	532.2	532.0	532.0	529.7
208	473.0	469.9	471.4	471.7	473.2	473.0	473.0	472.2	469.7
209	646.1	727.6	713.0	698.3	684.2	668.4	653.1	637.5	629.8
210	749.4	814.0	802.8	791.5	780.8	766.8	755.4	743.0	736.1
211	841.6	875.1	870.6	865.2	860.3	851.7	845.2	838.4	833.1
212	869.1	832.9	840.8	848.7	855.3	860.7	866.8	872.7	873.2
213	804.7	739.0	752.4	765.2	777.2	787.4	798.6	810.3	814.6
214	702.6	616.6	632.9	648.9	665.7	679.9	697.0	711.3	717.6
215	317.5	320.0	320.7	319.5	319.2	318.3	317.6	317.6	317.7
216	279.1	347.8	333.2	320.2	308.6	296.1	284.9	273.5	267.7
217	325.5	258.2	269.7	282.0	294.2	306.2	318.2	331.8	338.0
218	226.4	230.3	229.7	229.2	228.6	227.5	226.5	225.7	224.2
219	132.5	177.1	167.9	159.4	151.9	143.7	136.2	129.7	126.4
220	157.4	117.7	124.1	131.4	138.5	145.8	153.5	162.2	165.9
221	98.2	134.3	126.7	119.8	113.7	106.8	100.9	96.0	93.1
222	116.3	85.7	90.4	96.0	101.7	106.9	113.2	120.2	123.2
223	94.0	128.4	120.9	114.7	108.6	102.1	96.6	91.8	89.5
224	110.5	81.9	86.1	91.4	96.8	101.6	107.5	114.0	116.7
225	227.1	227.0	226.7	227.6	228.2	227.3	227.3	227.1	228.2
226	471.5	469.4	469.8	471.0	472.1	472.3	472.2	472.3	473.6
227	540.4	539.5	539.3	540.6	541.4	540.8	540.7	540.2	541.9
228	634.0	632.3	633.8	634.7	635.2	633.3	634.7	633.7	634.7

Table CXXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$ Roll = 270° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R: 117 Pi	R: 119 Pi	R: 118 Pi	R: 116 Pi	R: 114 Pi	R: 112 Pi	R: 110 Pi	R: 108 Pi	R: 107 Pi
229	316.8	315.7	316.0	316.5	316.4	316.2	317.0	316.1	314.9
230	102.5	102.4	102.1	102.9	102.9	102.4	102.4	102.8	102.1
231	415.3	499.0	482.7	467.5	451.3	436.0	422.4	408.4	401.5
232	564.8	651.0	635.4	620.8	604.8	588.0	573.0	556.8	548.1
233	610.2	517.1	535.3	553.0	569.5	585.5	602.7	617.9	624.7
234	464.9	384.3	398.6	413.3	427.9	442.2	458.0	473.9	479.7
235	132.7	172.1	163.6	156.8	149.5	141.7	135.6	130.0	126.6
236	118.3	140.9	136.1	132.5	128.6	123.5	120.1	116.7	114.7
237	97.8	105.7	102.9	102.0	101.2	99.6	98.2	97.3	96.1
238	94.7	98.4	96.7	97.0	96.7	95.6	95.1	94.8	93.9
239	92.3	92.2	92.0	92.4	92.7	92.1	92.4	92.3	91.8
240	69.7	65.6	65.5	66.2	66.7	68.6	69.8	69.9	69.0
241	75.2	86.2	82.9	80.9	78.8	76.9	75.7	74.6	73.4
242	40.5	46.4	43.4	40.9	39.5	39.1	39.8	41.1	42.9
243	154.7	153.5	154.7	155.2	155.3	155.0	155.2	155.3	155.9
244	216.3	214.5	215.4	216.5	216.5	216.2	216.7	216.6	216.9
245	219.7	218.8	219.2	220.8	221.1	220.6	220.2	219.8	220.5
246	176.9	230.7	220.6	210.5	200.4	190.6	181.7	172.0	167.7
247	134.4	177.7	168.8	160.6	152.7	145.2	137.5	131.1	127.6
248	116.1	158.4	149.6	141.3	134.0	126.6	119.2	112.8	109.9
249	141.5	102.2	108.3	115.4	122.6	129.5	137.3	145.4	149.5
250	99.5	146.6	137.5	130.0	122.7	113.7	104.1	95.0	89.3
251	64.2	85.2	80.2	76.2	72.6	68.8	65.6	63.1	62.0
252	341.3	339.7	340.1	341.4	341.0	340.9	341.7	340.9	339.3

Table CXXV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 785 Pi	R 786 Pi	R 787 Pi	R 788 Pi	R 789 Pi	R 790 Pi	R 791 Pi	R 792 Pi	R 793 Pi	R 794 Pi	R 795 Pi	R 796 Pi	R 797 Pi	R 798 Pi
2	108.5	119.1	131.0	143.7	157.8	172.7	189.3	206.7	224.3	242.4	260.9	279.0	298.0	316.1
3	156.4	159.7	162.0	164.4	166.6	168.5	170.0	170.9	170.9	170.5	169.7	168.7	167.4	165.2
4	159.5	162.7	166.4	169.4	172.1	173.8	175.7	176.0	176.8	176.8	175.7	174.2	172.5	170.4
5	161.0	161.7	161.6	161.6	161.7	161.6	161.1	160.4	159.6	158.2	156.7	154.9	152.1	148.7
6	162.4	162.9	164.0	164.7	164.6	164.4	163.7	162.7	161.4	160.0	157.8	155.4	152.5	149.4
7	165.5	164.6	162.6	160.3	158.3	156.4	154.5	152.9	150.6	148.5	146.3	144.0	142.0	139.3
8	169.1	167.3	166.5	165.4	163.1	161.6	159.4	157.3	155.0	152.8	150.5	147.7	144.9	142.3
9	193.7	178.9	164.3	150.7	136.9	124.3	112.2	101.4	91.0	82.4	74.4	66.8	60.3	54.8
10	80.1	88.7	98.1	109.2	120.6	133.7	147.4	162.8	178.2	195.0	211.9	229.1	247.3	265.8
11	124.5	126.1	126.8	127.4	128.1	129.0	129.1	129.8	129.4	129.0	128.1	126.3	124.7	121.9
12	124.0	125.0	126.9	128.1	129.0	129.9	130.4	131.0	130.6	130.3	129.4	127.9	126.2	123.5
13	126.1	126.7	126.8	126.8	126.7	126.9	127.0	127.5	127.0	127.0	126.7	126.0	125.5	123.8
14	125.1	125.7	126.7	127.4	127.5	127.9	128.0	128.1	127.8	127.7	127.0	125.8	124.6	122.7
15	132.2	131.2	130.0	128.4	126.9	125.6	123.7	122.6	120.8	119.5	118.5	116.9	115.9	114.6
16	129.3	128.4	128.0	127.2	126.0	124.6	123.3	122.3	120.9	119.9	119.0	117.5	116.7	115.1
17	190.8	173.8	157.1	142.3	128.3	115.0	102.9	91.7	81.8	73.2	65.7	59.1	53.5	48.5
19	98.1	98.8	97.5	97.4	97.0	97.0	96.9	97.6	97.9	98.0	99.1	99.3	99.5	99.7
20	98.9	98.5	98.3	98.9	98.3	98.8	99.0	99.8	100.1	100.4	101.2	101.0	100.4	100.3
21	87.1	87.3	86.4	86.4	86.7	87.0	87.3	88.8	88.1	87.5	87.9	87.8	88.6	89.3
22	86.3	86.4	86.2	86.6	87.1	87.7	87.5	87.9	87.8	87.9	89.2	89.4	89.9	90.4
23	73.1	72.6	72.5	71.8	72.8	73.1	70.9	72.0	72.2	72.6	74.0	74.3	74.6	74.1
24	73.0	72.3	72.3	71.9	72.1	73.8	72.9	71.3	71.1	71.9	73.0	73.8	73.8	73.8
25	67.9	67.5	66.9	66.4	65.8	65.7	64.9	65.1	65.0	65.0	65.0	65.1	66.2	67.5
26	67.0	66.4	66.2	66.3	65.5	65.3	64.2	64.9	64.9	64.9	65.0	65.4	66.2	67.4
43	125.5	129.8	133.3	136.6	140.2	143.4	146.2	149.1	151.0	152.8	153.4	153.7	154.1	154.0
44	122.4	126.3	130.2	134.2	137.5	140.7	143.1	145.7	147.7	149.4	150.9	151.8	152.1	151.9
67	63.2	63.7	63.6	64.7	64.5	65.3	65.5	66.8	67.7	68.4	69.4	69.6	70.2	70.8
68	62.9	63.3	64.0	64.8	65.3	65.9	66.1	67.5	68.2	69.4	70.6	71.0	71.5	72.2
85	182.8	184.1	184.5	184.7	184.7	184.6	183.7	182.6	181.0	179.0	176.4	173.2	169.4	165.6
86	188.1	188.9	190.2	191.2	191.4	191.0	190.6	189.2	187.6	186.0	183.6	180.8	177.3	173.2
87	132.1	142.1	152.0	162.8	173.9	185.6	197.5	210.1	221.6	233.7	245.4	256.9	268.5	279.4
88	132.0	142.5	153.6	165.3	177.1	189.5	201.9	214.4	226.9	239.9	251.8	263.6	275.5	286.3
89	47.5	52.7	58.7	65.5	73.0	81.6	91.2	101.9	113.4	125.9	139.3	153.3	168.1	183.2
90	47.5	52.9	59.1	65.8	73.5	82.1	92.0	102.7	114.4	127.2	140.6	154.2	168.8	184.3
91	46.9	51.8	57.6	64.3	71.7	80.4	89.8	100.9	112.8	125.8	139.7	154.0	169.3	185.2
921	213.9	198.2	183.3	168.7	154.4	140.9	127.9	115.5	104.7	93.9	85.6	77.0	69.4	62.7

Table CXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 785 Pi	R 786 Pi	R 787 Pi	R 788 Pi	R 789 Pi	R 790 Pi	R 791 Pi	R 792 Pi	R 793 Pi	R 794 Pi	R 795 Pi	R 796 Pi	R 797 Pi	R 798 Pi
922	127.9	140.2	152.9	166.7	182.1	198.2	214.7	232.2	250.0	268.2	286.8	305.7	325.4	345.1
93	77.7	86.3	95.7	106.1	117.6	130.2	143.5	158.8	173.9	190.4	206.9	224.3	242.6	260.5
94	123.1	135.1	147.7	161.6	176.5	192.6	209.7	227.2	245.3	264.0	283.4	303.1	322.7	341.8
95	50.8	56.3	62.8	69.9	78.4	87.7	98.0	109.8	122.3	136.0	150.3	165.0	180.8	197.7
125	81.0	80.2	80.4	79.6	78.6	77.9	76.5	75.2	74.0	72.7	71.7	70.8	69.9	68.1
126	85.9	85.4	84.8	84.5	82.8	81.9	80.6	79.1	77.4	75.7	74.5	74.1	72.8	71.0
128	145.3	131.8	119.4	107.6	95.9	86.7	77.6	69.5	62.8	56.8	51.6	47.6	43.9	41.2
132	41.1	43.6	46.8	50.9	55.7	62.1	69.5	78.0	87.4	97.5	110.1	122.5	135.9	150.3
201	479.4	465.4	447.8	431.3	413.3	395.3	376.8	357.4	338.4	318.4	298.5	278.5	261.2	243.8
202	536.7	529.0	519.8	509.1	497.0	484.1	470.3	453.7	437.7	421.6	404.6	386.5	368.9	350.5
203	555.0	555.5	553.3	550.6	545.4	538.0	530.4	519.6	508.0	495.4	480.9	465.2	447.7	430.4
204	527.9	537.9	543.5	549.5	552.7	555.0	554.6	553.2	550.0	544.7	537.9	529.4	519.7	507.2
205	456.5	473.7	487.8	501.5	513.6	524.6	533.7	541.3	548.2	551.8	554.0	554.3	553.7	550.5
206	369.8	389.8	407.7	426.2	444.5	462.0	478.7	493.3	506.6	518.6	529.1	537.6	543.9	549.2
207	303.2	322.3	341.3	361.1	380.3	399.4	417.7	435.7	452.3	469.6	483.8	497.1	509.4	520.2
208	288.7	286.2	302.9	320.8	337.9	356.0	373.5	391.5	408.6	426.0	442.7	458.5	474.4	487.7
209	399.7	403.7	404.7	405.9	406.5	405.8	404.0	400.2	395.2	389.3	383.3	375.3	366.7	356.7
210	457.8	464.3	467.9	470.5	472.4	474.1	472.7	469.7	464.3	458.8	452.3	444.2	435.5	424.6
211	508.0	516.4	522.0	526.5	529.0	531.7	531.2	529.5	525.4	519.8	514.2	505.5	496.1	484.9
212	512.6	520.4	527.6	532.8	536.2	537.8	537.8	536.4	532.9	527.6	521.4	513.0	502.7	490.0
213	468.3	474.0	479.3	483.6	486.2	486.7	486.4	484.1	479.8	475.3	467.5	458.8	449.0	437.6
214	403.7	407.7	411.0	413.7	414.7	413.9	412.3	409.3	405.2	400.0	393.7	385.8	376.8	367.2
215	207.3	192.3	177.9	163.6	149.7	136.6	124.0	111.9	101.1	90.9	82.3	74.4	67.0	60.7
216	175.4	179.2	181.5	183.9	185.9	187.8	189.4	190.3	190.6	190.7	190.3	189.5	188.1	185.8
217	179.1	182.3	185.9	188.8	190.8	193.0	194.7	195.4	196.0	196.1	195.5	194.5	192.1	189.6
218	126.5	138.6	151.3	165.3	180.2	196.1	212.7	230.4	248.2	266.2	284.6	303.0	323.1	342.5
219	84.2	85.0	85.8	86.7	87.5	86.8	87.6	88.2	89.3	89.4	89.5	90.1	90.3	89.6
220	83.5	84.5	85.8	87.0	87.6	88.2	88.7	89.2	89.6	89.9	91.3	91.5	91.4	90.5
221	63.7	64.0	64.0	64.4	64.6	64.6	64.7	65.2	65.6	65.6	66.5	67.8	69.0	69.5
222	62.3	62.1	62.8	63.3	63.3	63.3	63.9	64.6	65.1	65.2	66.0	67.1	68.1	68.7
223	60.1	61.0	61.6	62.3	62.8	63.1	63.5	64.7	65.3	66.1	67.3	67.7	68.9	69.5
224	58.8	59.3	60.2	60.9	61.4	62.1	62.7	64.0	64.7	65.7	66.9	67.4	69.1	69.9
225	152.8	139.3	126.4	114.1	102.7	92.5	83.1	74.9	67.8	61.2	55.6	50.4	46.4	43.1
226	300.3	283.5	266.6	249.6	232.7	215.2	198.3	181.3	165.9	151.0	137.3	124.5	112.9	102.2
227	343.6	324.5	305.1	285.5	266.3	247.4	229.9	211.7	195.5	179.6	164.8	150.4	136.7	124.6
228	400.1	381.3	360.7	339.9	317.6	294.5	273.0	252.5	234.1	216.8	200.7	185.8	171.7	157.9

Table CXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 290.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 785	R 786	R 787	R 788	R 789	R 790	R 791	R 792	R 793	R 794	R 795	R 796	R 797	R 798
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	177.9	193.0	208.5	224.9	242.0	260.0	278.9	298.3	317.6	336.6	355.3	373.7	392.5	409.6
230	56.5	62.8	69.8	77.9	86.9	97.1	108.2	120.7	133.9	147.7	163.1	178.6	195.2	212.3
231	264.2	264.7	263.3	262.0	260.5	258.4	255.9	252.3	248.3	244.4	240.1	234.8	229.4	223.2
232	352.8	355.1	355.2	354.5	353.7	351.8	349.2	344.6	339.6	333.6	326.7	319.5	311.2	301.6
233	348.2	349.7	351.2	352.1	351.1	349.4	346.6	342.5	337.9	332.3	325.9	318.8	310.8	302.1
234	264.9	264.7	264.5	263.3	261.6	258.7	255.7	252.0	247.8	243.5	238.5	233.1	227.0	220.4
235	78.5	83.4	87.0	90.8	94.6	98.1	100.8	103.8	106.3	108.3	109.9	111.7	113.0	114.5
236	67.6	73.9	80.4	87.2	94.0	101.3	108.4	116.3	123.2	130.9	138.9	147.0	155.6	163.3
237	54.9	61.2	67.9	75.4	83.4	93.0	102.8	114.2	126.1	138.5	152.2	166.3	180.5	195.1
238	52.7	58.5	65.2	72.6	80.8	90.4	100.6	112.5	124.5	137.9	152.4	167.0	182.4	198.3
239	50.7	56.3	62.8	69.9	78.0	87.6	97.7	109.5	121.7	135.2	149.7	164.4	180.6	196.9
240	37.9	41.4	46.0	51.2	57.0	63.7	71.4	80.1	90.1	100.8	113.4	126.2	140.2	154.4
241	40.4	45.9	52.5	58.8	64.5	70.2	75.8	81.7	88.2	94.1	101.5	108.5	116.3	124.5
242	28.0	25.9	24.2	22.7	20.9	19.3	17.6	16.8	16.5	15.7	15.4	15.5	15.6	15.5
243	103.9	94.4	85.8	78.2	70.0	62.2	55.6	49.8	44.6	40.1	36.5	33.2	30.2	27.6
244	145.3	132.3	120.0	108.4	97.4	87.2	78.0	70.1	63.2	57.0	51.9	47.5	44.0	40.9
245	148.1	134.5	122.0	110.3	99.0	89.0	79.4	71.4	64.3	57.8	52.6	48.2	44.2	40.8
246	107.0	105.9	104.7	104.1	103.6	102.9	102.4	101.8	101.3	100.7	100.1	100.3	100.0	100.0
247	83.5	85.7	87.4	88.6	89.7	90.9	92.0	92.2	92.1	91.0	88.8	87.0	83.5	79.5
248	75.5	74.9	74.3	73.6	72.7	71.9	70.7	69.8	68.8	67.8	67.3	67.0	66.6	65.9
249	75.6	74.9	74.5	74.1	73.1	72.3	71.0	70.0	69.0	68.1	68.0	67.3	66.7	65.8
250	61.7	66.8	69.1	68.6	68.6	66.3	62.2	59.8	57.8	54.9	52.0	49.1	46.4	44.3
251	43.0	42.2	41.6	41.4	41.2	41.1	40.5	40.5	40.6	40.8	41.1	41.6	42.4	43.8
252	192.7	208.0	223.0	239.2	256.0	273.1	292.2	311.9	331.9	351.9	371.2	390.0	408.1	425.3

Table CXXVI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 738	R: 739	R: 740	R: 741	R: 742	R: 743	R: 744	R: 745	R: 746	R: 747	R: 748	R: 749	R: 750	R: 751
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	180.2	198.5	218.3	239.5	264.0	288.7	316.6	345.0	374.5	405.0	435.3	466.4	498.1	528.9
3	259.3	265.3	269.1	272.7	276.7	279.8	282.4	284.1	283.8	282.6	281.3	279.6	277.0	274.3
4	265.0	270.4	276.6	281.7	285.7	289.2	291.7	293.1	293.5	293.3	291.7	289.2	286.0	282.7
5	266.7	268.5	269.4	268.1	269.0	268.4	268.3	267.0	264.9	262.9	259.6	256.0	251.9	246.8
6	269.8	270.8	272.6	273.1	273.7	273.2	272.6	270.5	268.1	265.5	262.1	257.8	252.8	247.9
7	275.3	273.9	269.8	266.8	264.1	260.5	257.9	253.9	250.1	246.8	242.2	238.6	234.8	231.2
8	281.0	279.0	277.5	275.0	272.4	268.7	265.5	261.6	258.0	253.9	249.7	245.3	240.8	236.4
9	323.9	298.6	274.7	251.3	229.5	208.0	188.4	169.5	153.2	137.9	124.1	111.2	99.9	90.3
10	133.6	148.0	164.1	181.4	202.0	223.0	246.5	272.2	298.1	325.6	353.6	382.8	412.5	444.0
11	207.1	209.9	210.5	211.5	213.8	214.6	215.2	216.0	215.7	214.3	211.8	210.1	206.0	201.8
12	205.9	208.4	211.1	212.8	215.1	216.0	217.5	217.3	217.5	216.8	214.8	212.4	208.8	204.7
13	209.1	211.2	210.3	210.2	211.0	211.3	211.9	211.9	211.8	211.3	210.0	209.2	208.2	206.1
14	207.8	209.4	210.6	211.5	212.7	213.1	213.6	213.5	213.4	212.4	211.0	209.1	206.7	204.2
15	219.4	218.7	216.0	213.2	211.8	208.9	206.7	204.3	201.5	199.4	196.6	194.5	192.7	190.8
16	215.2	213.9	213.4	211.6	210.1	208.0	206.3	204.0	202.1	200.2	198.3	195.6	193.8	191.8
17	325.6	297.5	271.1	244.1	219.6	194.9	174.5	156.6	139.9	124.3	111.9	99.4	89.6	81.0
19	163.1	164.9	164.5	162.1	162.6	163.1	163.5	164.1	164.2	165.1	166.2	166.6	168.2	168.1
20	165.1	164.6	164.6	164.4	165.3	165.6	166.1	167.4	168.0	168.7	170.7	170.8	171.0	171.5
21	145.8	146.7	145.9	143.6	145.0	146.1	146.9	148.9	148.0	147.4	146.9	147.2	147.7	148.6
22	145.2	145.4	145.5	144.9	147.7	149.0	149.9	150.9	150.5	149.4	149.0	148.8	149.3	150.8
23	121.0	121.3	121.1	119.8	121.1	121.1	119.0	120.0	120.6	121.1	122.3	122.8	122.8	122.7
24	120.3	119.8	119.9	118.9	118.3	117.6	117.4	117.1	118.0	118.7	119.9	120.9	121.0	121.1
25	113.2	112.6	112.1	110.3	110.5	110.1	109.3	109.1	109.0	108.8	108.7	109.4	111.0	113.2
26	111.8	111.8	111.8	110.3	110.4	110.1	109.2	108.7	108.9	108.6	108.7	108.9	110.6	113.3
43	207.6	215.8	221.9	227.2	233.5	239.0	244.3	248.7	251.9	254.3	255.6	256.1	255.8	256.6
44	202.8	209.4	216.7	222.3	228.7	233.9	238.7	242.3	246.0	248.8	250.8	252.0	251.9	252.6
67	104.6	105.8	106.6	106.7	108.0	109.2	110.2	111.2	112.8	113.7	114.9	115.5	115.9	117.0
68	104.5	105.5	107.4	107.8	109.4	111.1	111.7	112.5	114.4	116.1	117.6	118.2	118.9	120.2
85	303.4	305.8	305.5	305.6	306.9	305.8	305.1	303.4	300.3	296.7	291.5	286.6	280.1	273.6
86	312.9	314.5	316.8	317.6	318.2	316.9	316.8	314.4	311.9	309.2	304.7	300.0	294.0	287.1
87	219.2	236.7	253.0	270.2	289.5	308.5	328.6	349.2	368.7	388.6	407.3	427.9	446.4	464.2
88	219.1	236.6	254.6	273.6	294.1	314.2	335.9	357.5	378.3	399.4	419.4	438.9	458.0	476.7
89	77.7	86.9	97.1	108.1	122.0	136.3	152.5	170.9	190.1	211.1	232.7	256.4	281.0	307.0
90	78.7	87.4	97.8	108.8	122.8	137.3	153.7	172.3	191.5	213.0	235.3	258.7	284.0	309.8
91	77.5	86.1	95.8	106.1	119.8	134.3	150.6	169.4	188.7	210.2	232.7	257.5	283.2	310.4
921	356.9	330.6	305.1	280.4	256.7	234.4	213.1	192.1	174.3	157.1	141.8	128.1	115.2	103.6

Table CXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 738 Pi	R 739 Pi	R 740 Pi	R 741 Pi	R 742 Pi	R 743 Pi	R 744 Pi	R 745 Pi	R 746 Pi	R 747 Pi	R 748 Pi	R 749 Pi	R 750 Pi	R 751 Pi
922	213.3	234.0	255.2	278.4	303.6	329.0	356.9	386.7	416.1	446.0	476.9	509.2	543.0	577.6
93	129.2	143.6	159.0	175.7	195.6	216.7	239.3	264.7	289.9	317.4	345.5	375.1	404.4	435.2
94	204.5	224.6	245.9	268.0	293.2	319.7	347.4	377.5	406.8	438.8	470.4	504.4	538.0	571.2
95	84.4	93.0	104.3	115.9	130.6	146.4	163.5	183.4	204.6	227.1	251.0	276.4	303.2	330.6
125	134.9	134.2	133.9	132.7	131.4	129.6	127.5	125.3	123.3	120.8	119.3	118.2	116.0	113.3
126	142.6	141.6	141.3	140.1	139.0	137.3	135.1	132.2	129.9	127.5	125.6	123.3	120.6	118.4
128	243.7	221.2	201.0	180.5	162.2	145.3	130.1	116.1	104.5	94.3	86.1	79.1	73.3	68.6
132	65.5	70.0	75.7	82.7	92.3	103.0	115.3	130.1	145.5	161.7	181.2	199.8	221.2	244.4
201	796.4	771.1	743.4	716.4	687.0	656.3	625.5	592.3	560.4	526.7	491.2	457.4	428.7	402.6
202	890.2	877.0	861.6	844.5	824.4	803.1	779.9	754.4	728.0	700.3	671.2	641.8	611.9	582.1
203	921.0	919.7	917.1	911.3	902.8	892.1	877.9	861.9	842.2	820.9	796.9	771.3	742.7	713.6
204	876.7	891.8	902.3	911.2	916.7	918.9	918.9	916.6	911.4	902.6	891.1	875.8	859.2	839.4
205	760.5	787.5	810.9	832.8	853.2	870.0	884.6	897.8	906.1	913.9	917.7	917.5	915.9	912.0
206	616.3	649.0	679.6	710.2	741.6	768.4	794.4	819.2	841.0	860.7	877.0	891.0	901.4	911.0
207	503.5	536.0	568.0	600.7	634.5	665.3	697.0	726.1	752.8	780.0	804.3	826.5	846.0	864.2
208	446.2	476.3	505.0	533.8	563.3	593.2	623.4	653.3	682.5	710.8	737.6	764.8	789.1	811.7
209	663.8	671.1	673.7	675.1	675.4	674.3	671.7	665.3	657.8	648.0	636.0	622.2	608.1	591.2
210	760.9	770.4	777.0	781.0	785.3	785.0	783.4	779.3	772.4	763.4	751.7	737.5	722.4	704.2
211	843.3	856.3	865.9	873.4	878.3	880.5	880.5	877.3	871.7	863.3	851.6	837.3	821.4	801.8
212	850.8	863.6	874.8	883.0	888.0	890.1	891.0	888.6	882.6	874.3	863.2	849.4	832.1	813.2
213	777.7	787.5	796.4	802.7	806.0	807.1	805.8	802.3	796.2	788.2	775.9	762.4	745.9	728.3
214	672.0	678.6	684.6	687.7	689.3	688.1	685.8	680.9	673.9	665.5	654.5	641.6	626.4	609.4
215	345.7	320.7	295.8	272.1	249.6	227.4	206.7	186.4	168.5	152.1	137.2	123.6	111.1	100.1
216	291.3	297.1	300.3	304.4	308.8	311.5	314.6	316.4	316.2	316.9	315.4	314.1	311.5	308.3
217	297.3	302.9	308.9	313.2	317.5	320.2	322.9	325.2	325.4	325.8	324.7	322.3	318.9	314.6
218	210.4	230.9	251.8	274.7	299.8	326.1	353.4	383.8	412.3	443.4	473.2	505.0	538.1	571.8
219	140.4	141.3	142.6	143.5	145.1	144.2	145.0	145.8	146.7	147.5	148.5	149.3	149.8	149.3
220	140.3	141.2	143.7	144.9	146.9	147.7	148.0	149.9	151.1	152.3	152.8	153.0	153.2	152.7
221	106.4	106.1	106.5	106.2	107.3	107.5	108.1	108.9	109.3	109.7	110.9	113.0	115.0	115.8
222	104.1	103.8	105.0	104.6	105.8	105.8	106.3	107.3	108.1	109.1	110.4	112.2	113.9	115.4
223	100.6	101.4	102.6	102.7	104.6	105.1	105.9	107.1	108.3	109.7	111.3	111.1	112.5	112.5
224	98.0	98.9	100.9	101.5	103.1	104.4	105.6	106.7	107.8	109.6	110.6	110.7	112.5	110.7
225	253.1	230.3	209.9	189.6	171.2	153.9	138.2	123.7	111.7	100.9	91.8	83.6	76.8	70.4
226	501.3	472.1	443.6	415.4	388.0	358.6	330.5	301.6	276.0	251.3	227.9	207.4	187.7	170.2
227	572.9	541.6	507.4	474.2	442.2	411.0	382.5	351.8	324.7	298.7	273.4	249.5	226.7	207.1
228	667.3	635.1	601.4	565.7	527.2	487.6	451.4	418.7	388.3	358.7	332.7	308.0	284.3	262.1

Table CXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 738	R 739	R 740	R 741	R 742	R 743	R 744	R 745	R 746	R 747	R 748	R 749	R 750	R 751
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	295.7	320.9	345.9	372.7	402.4	432.2	464.7	498.1	530.2	562.7	593.3	624.8	654.0	684.4
230	93.7	104.1	116.3	128.8	144.9	161.9	180.7	202.2	223.5	247.5	272.1	298.2	325.5	354.3
231	437.7	439.4	437.4	435.1	432.5	428.5	424.7	419.4	413.0	405.7	398.2	390.0	380.1	370.1
232	587.5	590.9	591.5	590.0	589.4	584.7	580.6	574.3	564.9	555.2	543.8	530.5	516.6	500.8
233	580.0	582.4	585.3	585.8	584.7	581.8	577.1	570.2	562.2	553.3	542.4	529.5	515.5	502.1
234	440.1	439.3	439.8	438.1	434.9	430.2	425.6	418.4	411.9	404.7	395.8	386.9	377.3	365.9
235	130.8	137.9	144.5	150.2	157.7	163.1	167.9	173.1	176.9	179.8	182.7	183.7	186.7	189.5
236	111.5	123.3	133.8	144.7	157.3	169.2	181.2	194.4	206.3	219.2	231.4	244.7	257.7	271.6
237	90.3	101.4	112.6	124.3	139.1	154.6	171.3	190.6	209.7	231.1	252.7	276.8	300.9	325.5
238	87.4	97.0	108.5	120.0	135.0	150.7	167.9	187.9	208.4	230.2	253.5	278.9	305.5	333.0
239	83.9	93.7	104.3	115.7	130.5	145.8	163.3	183.3	203.5	226.0	250.1	275.5	301.6	329.3
240	62.1	69.0	76.7	84.4	95.1	106.6	119.4	134.9	150.6	168.8	187.9	210.5	233.3	257.8
241	67.5	77.9	87.5	96.9	107.9	117.2	126.8	137.3	147.6	158.5	169.4	182.0	194.2	208.3
242	44.6	40.2	36.4	32.1	30.9	29.8	28.0	26.5	25.5	24.9	24.7	24.2	24.1	24.1
243	174.8	159.6	145.2	131.0	117.4	105.1	93.6	83.4	75.3	67.4	60.6	54.7	49.8	45.4
244	243.2	221.7	200.4	179.7	161.9	145.1	129.8	116.1	104.6	94.2	85.3	77.8	71.8	66.7
245	247.5	224.9	204.2	183.5	164.9	147.8	131.9	118.0	106.1	95.4	86.6	78.8	72.4	66.7
246	175.6	175.5	175.2	172.5	172.5	171.3	170.4	169.4	168.7	167.6	167.0	166.6	167.7	168.2
247	139.1	143.0	145.6	146.8	149.4	151.1	152.5	153.1	152.4	150.8	147.6	143.1	136.2	127.6
248	125.9	124.8	123.6	121.6	120.7	119.2	117.9	115.8	114.0	112.9	111.6	111.3	110.7	109.4
249	127.5	126.2	125.5	123.6	122.8	120.7	119.1	117.3	115.3	113.9	113.0	112.2	111.2	109.9
250	100.6	111.3	116.6	114.7	112.2	107.3	103.3	99.6	95.2	91.5	86.4	80.6	76.6	73.3
251	71.8	69.9	68.7	67.8	68.3	68.0	67.9	67.6	67.8	68.1	68.9	69.8	71.4	73.6
252	319.7	344.1	370.1	397.0	425.4	453.9	486.3	520.8	554.3	587.8	620.0	650.9	681.2	710.8

Table CXXVII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R 753	R 754	R 755	R 756	R 757	R 758	R 759	R 760	R 761	R 762	R 763	R 764	R 765	R 766	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	179.1	196.8	216.6	238.0	261.9	286.9	313.4	342.9	371.7	400.9	431.5	464.1	494.0	524.1	
3	233.2	238.4	242.3	245.5	249.1	251.1	252.8	254.3	254.4	253.3	253.2	251.8	248.8	245.4	
4	293.3	298.5	305.4	311.1	316.5	320.6	323.6	326.0	325.5	324.1	323.2	320.5	317.8	315.1	
5	239.6	241.7	241.5	240.6	241.0	240.1	238.9	238.3	237.7	235.3	233.7	230.7	225.4	218.8	
6	299.7	300.3	302.7	303.8	304.4	303.9	303.4	301.6	298.2	294.2	290.9	286.0	282.0	277.0	
7	246.9	245.6	242.7	239.1	236.3	232.9	229.1	226.8	224.0	220.7	218.2	214.6	210.8	206.8	
8	311.9	308.9	307.8	305.3	302.8	299.4	295.2	291.1	286.0	281.2	276.9	271.8	267.5	263.3	
9	322.8	297.6	274.2	251.0	228.9	206.9	186.3	167.9	151.1	136.0	122.9	110.4	99.4	89.9	
10	132.4	147.2	163.0	180.9	201.0	222.1	245.9	272.1	297.8	324.5	353.3	381.9	411.1	440.6	
11	183.5	185.8	187.2	188.0	189.2	189.6	189.8	190.6	190.2	188.9	188.3	185.9	181.2	176.1	
12	231.0	233.3	237.1	240.1	242.3	243.7	244.4	245.0	243.9	242.5	241.1	237.9	236.0	232.6	
13	185.5	186.8	186.8	186.8	187.5	186.7	186.8	187.2	187.4	187.4	187.4	186.5	184.6	182.2	
14	233.6	234.2	236.6	238.3	239.6	240.1	240.4	239.7	238.4	237.3	236.2	233.9	232.8	230.7	
15	194.6	193.6	192.0	189.4	187.7	184.5	182.1	179.8	178.4	176.4	175.6	173.5	171.0	169.0	
16	241.4	239.4	238.8	237.8	236.5	233.7	231.4	228.8	225.8	223.0	221.5	218.3	217.0	215.5	
17	325.4	297.4	271.2	243.6	217.1	194.7	173.2	153.4	136.6	122.0	110.4	98.1	88.5	80.1	
19	143.5	144.8	145.3	143.5	143.8	143.1	143.5	143.8	144.5	146.0	148.5	149.1	148.8	149.0	
20	186.3	185.2	185.6	186.7	186.2	186.2	186.7	189.8	186.6	189.3	191.5	192.2	193.1	193.7	
21	129.9	129.7	129.4	128.3	129.2	129.5	130.5	131.3	130.7	130.7	131.2	131.5	131.9	133.0	
22	164.3	164.1	165.0	165.2	167.7	169.3	170.6	171.3	170.2	169.0	168.8	167.8	169.1	170.3	
23	108.0	108.3	107.4	107.6	109.0	106.5	105.7	106.5	106.9	107.8	109.6	109.5	109.1	108.7	
24	136.1	135.1	135.2	135.0	134.2	132.9	132.4	131.3	131.8	133.1	134.8	135.8	137.3	137.5	
25	101.5	100.4	99.7	99.3	99.3	98.2	97.6	97.3	96.9	96.8	97.6	97.1	99.0	100.0	
26	127.1	126.0	125.7	125.5	125.3	124.2	123.7	123.1	122.5	122.8	123.5	123.4	125.1	127.1	
43	186.1	192.7	198.4	203.2	208.6	212.8	216.8	221.5	223.9	225.7	227.9	228.2	228.1	227.2	
44	226.1	232.6	241.3	249.2	256.7	262.2	267.4	271.6	273.9	277.1	279.7	280.5	282.3	282.5	
67	93.7	94.6	95.6	96.8	97.3	97.5	97.7	98.7	100.0	101.5	102.7	102.3	102.5	102.8	
68	118.5	119.1	120.9	122.9	124.4	125.6	126.8	128.0	129.0	131.5	133.5	133.6	135.3	136.5	
85	274.1	276.0	277.1	276.6	276.1	275.4	273.3	272.5	269.7	266.0	263.1	258.4	251.9	244.6	
86	343.8	345.2	348.7	350.0	350.2	350.2	348.9	348.1	344.3	339.9	336.5	330.8	325.7	319.5	
87	203.8	218.9	234.6	250.7	268.6	286.6	305.6	326.4	346.0	363.6	382.7	401.2	417.3	432.9	
88	232.5	250.4	270.3	290.9	312.3	334.7	356.5	380.1	401.0	421.5	443.7	464.1	485.6	504.5	
89	76.8	85.5	94.6	106.2	118.9	132.9	149.1	167.3	186.4	206.1	228.1	251.6	274.5	298.3	
90	79.7	89.0	99.6	111.0	124.9	140.2	157.5	176.9	197.2	218.3	240.6	264.7	289.7	315.3	
91	76.7	85.3	95.2	106.4	119.6	134.1	150.8	169.8	189.7	210.3	234.3	258.3	282.4	308.1	
921	356.3	330.0	304.9	280.3	256.4	233.2	211.0	191.2	172.3	155.6	141.3	126.9	114.7	103.8	

Table CXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 753 Pi	R 754 Pi	R 755 Pi	R 756 Pi	R 757 Pi	R 758 Pi	R 759 Pi	R 760 Pi	R 761 Pi	R 762 Pi	R 763 Pi	R 764 Pi	R 765 Pi	R 766 Pi
922	211.2	231.4	252.5	275.4	299.9	326.7	355.5	385.9	414.9	444.1	475.4	508.3	540.8	573.5
93	128.2	142.3	158.0	175.0	194.3	215.5	239.6	265.0	290.6	316.7	345.4	373.5	402.9	432.8
94	204.6	224.6	246.3	268.1	293.4	319.6	348.8	380.5	409.9	440.2	473.4	505.9	539.1	570.6
95	84.0	92.9	104.1	116.6	131.1	146.9	165.1	185.4	206.1	227.6	252.2	277.8	304.4	330.8
125	119.1	118.1	117.4	118.1	117.3	114.6	113.6	111.9	110.5	108.1	107.3	105.7	103.3	100.7
126	162.3	160.8	160.6	159.6	157.9	155.8	152.8	149.9	146.4	143.5	141.6	139.1	137.2	135.3
128	244.0	220.3	199.7	178.9	160.2	142.8	127.5	114.1	102.8	92.7	85.6	78.0	72.8	68.4
132	64.5	69.0	74.3	81.1	90.4	101.1	113.5	128.8	145.4	162.8	182.0	200.8	222.3	244.2
201	790.8	765.0	740.0	712.3	681.6	650.1	618.2	586.4	552.5	520.1	486.6	453.4	425.4	399.7
202	883.6	871.0	856.9	839.5	819.4	796.6	773.3	748.2	721.7	693.4	666.5	637.8	608.8	580.0
203	913.8	912.9	911.4	906.0	897.0	885.6	872.0	855.9	836.5	814.0	793.0	766.1	739.6	711.4
204	869.4	882.6	895.3	904.0	909.3	912.0	912.7	911.1	905.5	895.4	886.9	870.1	853.9	834.9
205	753.7	779.6	803.8	825.5	845.1	862.2	879.1	892.9	901.9	907.4	913.0	911.4	910.5	905.9
206	610.4	641.5	673.6	704.2	734.0	761.2	788.3	814.9	835.5	853.7	872.7	884.6	895.7	904.3
207	500.1	531.4	564.3	596.7	628.8	660.0	690.9	722.4	749.7	774.7	800.3	820.4	840.6	857.9
208	442.9	471.3	501.4	529.4	559.2	588.0	618.4	650.0	678.5	706.0	734.6	759.5	784.0	805.8
209	624.9	629.7	633.9	635.0	634.8	633.7	630.2	625.5	618.5	609.0	600.5	586.9	572.4	556.9
210	727.4	735.2	742.7	746.4	749.0	750.0	748.4	744.8	739.8	729.7	721.9	707.5	692.2	675.3
211	821.0	833.3	842.9	849.7	855.0	856.6	857.5	855.9	850.7	840.9	833.7	818.3	802.4	784.4
212	858.7	871.0	882.9	891.8	897.6	900.2	900.5	899.1	893.4	882.9	873.7	855.9	840.4	823.2
213	799.5	807.9	817.9	825.0	828.5	829.5	828.3	825.5	818.5	808.9	799.3	782.0	767.0	751.4
214	703.7	709.3	716.9	720.5	722.7	720.6	718.7	713.5	705.4	694.7	684.6	670.0	657.2	642.4
215	343.8	318.0	294.1	270.6	247.2	225.0	203.1	183.8	165.7	149.9	135.5	121.9	110.1	99.5
216	264.0	269.3	272.8	275.5	278.6	281.0	282.7	285.2	286.4	286.1	286.2	284.7	281.2	276.9
217	327.3	332.3	339.4	344.6	349.0	353.2	355.7	358.1	358.2	357.1	356.7	354.4	352.4	348.8
218	207.2	226.3	247.3	269.9	294.0	320.0	348.2	379.1	407.7	436.2	467.8	499.4	531.0	562.5
219	125.1	126.5	127.5	128.1	128.6	128.1	128.6	129.5	130.1	130.7	132.4	133.4	133.1	131.4
220	158.6	159.8	162.7	165.5	167.1	168.1	168.5	170.8	171.8	172.0	173.4	173.0	174.2	174.6
221	95.5	95.3	95.6	96.1	96.7	96.6	97.1	97.2	97.5	97.6	99.3	100.6	101.2	101.8
222	117.4	117.0	117.8	118.7	119.6	120.1	121.0	122.0	122.4	122.8	124.0	125.7	129.4	131.4
223	89.9	91.3	92.1	93.0	93.9	93.9	94.4	95.4	96.1	97.0	97.6	97.8	98.2	93.0
224	110.9	111.2	112.9	114.7	116.4	118.0	119.4	120.2	121.2	123.4	126.2	126.6	127.6	130.7
225	252.5	230.2	209.2	189.2	170.3	152.9	136.9	122.8	110.5	99.5	90.9	82.3	75.7	69.6
226	498.8	469.7	442.7	414.0	385.4	355.9	327.1	300.3	274.0	249.2	227.7	207.6	188.1	170.7
227	570.5	538.5	506.4	471.9	440.6	409.4	378.7	351.3	323.4	297.3	272.9	249.4	226.6	207.2
228	664.1	631.2	599.0	562.4	524.8	485.6	446.4	414.5	384.8	356.5	332.1	307.1	283.6	262.2

Table CXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- face ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 753	R 754	R 755	R 756	R 757	R 758	R 759	R 760	R 761	R 762	R 763	R 764	R 765	R 766
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	292.8	316.6	342.6	369.6	399.6	430.1	461.8	497.4	528.5	558.4	591.5	621.9	651.1	680.0
230	93.2	103.7	115.7	129.3	144.9	161.9	180.9	202.2	224.4	247.5	273.4	299.1	324.6	352.0
231	403.6	403.7	402.6	400.2	397.5	393.6	388.6	384.2	378.5	371.3	365.6	358.2	347.7	337.9
232	547.0	550.1	550.9	549.3	547.2	544.7	539.1	534.3	528.7	516.4	507.7	496.5	482.0	466.6
233	616.5	618.3	621.9	622.0	621.6	617.9	613.4	606.6	597.0	585.5	575.6	562.4	550.0	536.2
234	475.3	473.6	474.9	473.6	470.6	466.5	460.8	454.5	446.1	437.2	428.2	419.1	409.5	399.5
235	118.5	124.0	129.8	134.8	140.6	144.5	148.5	152.7	156.3	158.1	162.0	163.6	164.2	166.8
236	103.8	113.3	123.3	132.9	143.4	153.7	164.5	176.3	188.0	199.4	212.5	225.0	236.2	247.1
237	88.4	98.0	108.4	120.1	133.7	148.2	164.8	183.3	202.4	222.1	243.9	266.3	289.4	311.7
238	85.9	94.9	105.5	117.5	131.7	147.2	164.6	184.4	204.6	225.2	248.5	272.9	298.8	323.3
239	83.1	92.5	103.0	115.1	129.3	144.8	162.6	182.5	203.2	224.9	249.1	274.4	300.2	326.8
240	63.4	69.3	76.3	84.7	94.9	106.5	120.0	135.5	152.2	169.6	189.2	210.2	230.0	248.1
241	66.6	75.2	84.3	92.9	100.7	108.7	117.0	126.1	135.3	145.1	155.6	167.6	177.8	192.0
242	47.9	42.7	38.5	34.9	31.7	29.2	27.4	25.8	24.6	23.6	23.3	23.2	23.0	22.7
243	174.2	158.5	144.5	132.6	118.5	105.6	93.2	82.2	73.6	66.7	60.5	54.1	48.9	44.2
244	242.3	220.1	199.6	179.3	160.8	143.8	128.2	114.5	102.9	92.9	84.7	77.4	71.3	66.7
245	246.0	223.5	202.4	182.1	163.8	146.7	130.7	117.0	105.1	94.8	86.2	78.3	72.0	66.6
246	155.1	155.0	154.3	152.4	151.6	150.7	149.4	149.0	148.8	148.2	148.3	148.8	149.8	150.4
247	124.5	127.7	130.1	131.3	132.5	133.6	134.2	134.2	132.5	130.6	127.6	121.2	114.3	108.6
248	111.7	111.0	109.8	109.1	108.0	106.6	105.2	103.7	102.2	100.7	100.4	99.4	98.5	97.7
249	145.0	142.9	142.2	140.9	139.4	137.2	135.4	133.4	130.6	128.6	127.8	126.7	126.8	126.3
250	76.7	90.2	99.3	104.7	104.9	102.1	97.2	91.2	87.0	82.5	78.4	73.2	68.9	65.7
251	66.2	65.1	63.5	62.6	62.3	61.8	61.4	61.1	61.2	61.4	62.3	62.8	64.4	65.8
252	316.8	341.0	366.9	393.5	421.7	451.4	484.7	519.3	552.2	583.5	617.1	648.5	677.2	705.8

Table CXXVIII: Ames Research Center 8x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R: 769	R: 770	R: 771	R: 772	R: 773	R: 774	R: 775	R: 776	R: 777	R: 778	R: 779	R: 780	R: 781
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	313.8	315.0	316.2	316.1	316.9	317.7	317.6	316.7	316.5	314.7	313.2	311.5	309.8
3	370.7	343.6	328.9	313.8	298.7	290.2	282.2	274.6	267.3	253.4	239.9	228.3	206.3
4	212.6	235.7	248.2	261.4	276.9	283.7	292.4	299.9	307.9	323.1	338.5	352.2	380.8
5	355.5	327.1	312.9	298.4	283.1	276.1	267.7	260.2	253.0	239.8	227.0	215.5	195.4
6	197.1	218.8	231.0	243.8	257.8	264.7	272.6	280.1	287.5	302.5	317.1	330.9	359.3
7	341.7	314.5	300.8	286.5	271.9	264.5	256.6	249.1	242.6	230.0	217.5	207.0	188.5
8	193.0	214.0	225.4	238.2	250.9	257.9	265.3	273.0	280.4	294.5	308.6	322.8	350.3
9	183.2	184.9	185.3	186.2	186.5	186.7	186.4	186.2	186.1	185.1	185.5	183.6	182.4
10	246.6	247.0	248.2	248.0	247.4	247.1	247.3	247.3	247.2	246.3	245.7	244.3	242.8
11	295.5	269.9	256.2	242.1	228.6	221.9	214.9	208.6	202.6	190.0	180.6	170.6	153.9
12	154.4	172.1	182.3	192.9	204.6	210.6	217.0	224.0	231.0	243.4	257.1	269.6	295.5
13	289.9	264.4	251.0	237.5	224.1	217.6	211.0	204.8	198.8	186.9	177.5	167.9	152.3
14	152.3	169.1	179.2	189.6	200.8	206.6	213.3	219.9	227.2	239.5	252.7	265.4	291.4
15	282.7	257.7	244.7	231.3	218.6	211.7	205.7	199.5	193.4	182.5	173.1	163.7	148.0
16	146.9	163.1	172.8	182.7	193.6	198.9	205.9	211.7	218.2	230.3	243.4	255.1	280.3
17	173.1	173.7	173.9	173.5	173.9	173.9	172.6	172.6	172.1	171.7	172.0	171.1	171.5
19	231.8	208.1	196.3	184.4	173.6	167.8	162.6	157.3	152.3	143.5	136.2	128.6	115.5
20	118.1	130.8	138.6	146.2	155.2	160.0	165.5	171.1	176.7	187.7	200.0	211.4	234.2
21	214.6	191.1	180.0	168.0	156.6	151.0	146.4	142.4	138.1	131.1	124.8	117.5	106.4
22	106.3	116.6	124.0	130.6	140.0	144.4	149.2	154.0	159.3	169.8	181.3	191.7	214.9
23	173.2	153.4	144.4	135.0	126.2	122.3	118.5	115.0	111.5	105.7	101.1	94.6	85.8
24	84.0	92.5	97.6	103.2	109.3	112.9	116.6	120.3	124.0	131.5	141.4	149.3	168.7
25	158.1	139.7	131.3	122.6	115.2	111.7	108.4	105.4	102.4	96.6	92.3	87.6	78.2
26	78.3	87.6	91.1	95.9	101.8	105.1	108.9	112.1	115.7	122.9	131.5	139.8	158.3
43	325.4	300.1	286.2	272.2	258.0	251.0	243.7	236.7	231.0	217.3	208.9	195.7	177.4
44	171.3	190.6	202.2	212.5	225.1	231.3	238.4	245.3	253.3	266.1	279.8	292.4	318.7
67	158.6	140.7	132.3	123.7	116.3	112.9	109.4	106.3	102.9	97.9	92.0	88.4	78.1
68	79.5	89.8	93.5	98.4	104.8	107.9	111.1	114.7	118.6	126.0	134.9	143.3	162.1
85	397.6	367.8	353.0	337.9	321.5	312.8	304.9	296.4	289.1	274.4	260.9	247.1	225.7
86	233.9	257.3	270.9	285.1	300.8	308.3	316.9	324.5	333.9	348.6	364.8	379.4	410.0
87	388.3	371.1	361.1	351.8	340.7	335.3	329.3	322.9	317.3	307.0	296.1	286.7	269.7
88	277.8	295.1	304.8	315.5	326.0	331.0	337.2	342.3	348.2	357.0	365.5	373.9	390.6
89	165.0	160.8	159.3	157.4	155.5	154.0	153.7	152.5	151.1	149.8	148.4	146.0	142.6
90	144.2	146.9	148.7	150.7	152.6	153.4	154.5	155.8	156.3	158.1	160.6	161.2	166.0
91	151.3	151.3	151.9	151.8	151.7	151.7	151.6	151.3	151.5	151.5	152.3	151.1	151.4
921	206.9	208.9	209.8	210.6	211.4	211.4	211.5	211.4	211.2	210.3	210.3	208.6	206.3

Table CXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 769	R 770	R 771	R 772	R 773	R 774	R 775	R 776	R 777	R 778	R 779	R 780	R 781	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	354.1	355.7	357.5	358.7	359.5	358.8	358.8	358.7	358.3	356.8	355.1	353.8	351.8	
93	240.1	240.3	241.3	240.8	240.8	240.1	240.4	240.6	240.6	239.6	240.0	238.4	237.3	
94	336.1	340.1	343.2	345.4	347.3	348.2	349.2	349.8	350.4	349.9	349.7	348.6	349.8	
95	161.9	162.8	163.7	163.9	164.2	164.0	164.6	165.1	165.2	165.4	166.2	165.9	166.6	
125	184.7	164.3	154.4	144.6	135.7	131.3	126.9	123.4	119.6	113.5	107.9	102.3	93.5	
126	98.2	107.1	112.9	118.9	126.8	130.3	134.5	138.9	143.4	151.6	162.5	172.0	193.5	
128	126.6	127.6	128.3	127.9	128.9	129.2	129.1	129.1	128.5	126.6	127.4	126.5	133.5	
132	114.3	113.5	113.1	112.8	115.5	115.9	115.5	115.9	114.5	113.3	114.1	113.3	115.2	
201	614.1	618.5	621.7	624.4	625.2	625.4	623.6	623.6	621.9	618.4	615.8	610.8	602.3	
202	764.2	770.0	774.7	778.7	780.5	780.7	780.0	778.4	778.1	774.0	769.1	764.3	753.1	
203	861.1	867.0	871.7	876.7	878.9	880.0	878.2	877.5	876.9	872.8	868.2	862.6	851.2	
204	903.1	911.4	914.3	918.9	921.2	922.2	920.3	919.2	918.4	915.0	911.0	904.7	892.2	
205	869.6	875.9	880.1	885.0	887.0	887.0	886.8	886.7	884.5	880.4	876.1	870.5	860.3	
206	782.0	788.0	790.9	794.8	797.2	796.9	795.6	795.5	793.6	790.0	785.1	781.4	771.5	
207	683.2	690.6	692.7	695.5	697.6	697.9	697.9	697.2	695.6	693.5	689.6	686.2	678.0	
208	612.2	618.0	619.5	622.3	623.6	624.6	624.7	623.3	622.3	620.1	616.7	614.0	607.1	
209	759.8	734.7	720.0	705.4	689.4	679.5	670.4	660.0	650.6	630.8	612.6	593.4	559.6	
210	848.7	832.0	820.4	809.9	799.0	790.7	783.5	775.3	766.5	750.3	733.9	716.1	683.8	
211	906.7	902.3	897.5	894.2	889.9	885.3	880.8	875.6	870.7	859.2	848.1	835.2	810.6	
212	833.1	853.8	864.1	874.6	884.0	889.2	892.2	895.3	898.5	902.5	905.4	906.3	907.0	
213	716.3	745.8	761.6	776.8	791.7	800.1	807.2	813.0	819.4	828.9	838.9	847.6	859.8	
214	574.4	609.9	627.7	646.3	666.3	675.7	686.3	694.3	703.1	717.8	733.1	746.4	769.2	
215	205.4	205.9	205.6	205.6	205.3	205.3	205.2	204.8	204.1	202.8	201.6	199.5	196.2	
216	406.3	376.9	362.5	347.2	330.9	322.5	313.9	305.6	298.1	284.2	269.5	256.5	235.1	
217	240.8	263.9	277.5	291.8	307.0	314.8	323.6	331.3	340.4	355.4	371.2	386.0	417.1	
218	359.9	358.3	359.3	358.3	357.6	356.1	355.0	354.1	352.9	350.0	346.7	343.5	339.1	
219	210.4	187.1	175.6	165.1	155.1	149.9	144.9	140.6	136.1	128.5	122.2	115.8	104.9	
220	106.9	117.4	124.3	131.2	139.7	143.6	148.4	153.0	158.1	168.0	179.5	190.4	214.3	
221	155.7	137.4	128.5	120.8	113.8	110.5	107.7	104.3	101.6	96.4	92.6	88.0	78.4	
222	77.8	86.7	91.4	94.8	100.0	103.2	106.4	109.3	113.3	120.4	128.6	136.3	154.8	
223	153.0	134.9	126.8	118.8	111.7	108.9	105.6	102.7	99.8	94.2	90.8	85.4	75.3	
224	75.9	84.9	89.8	93.5	98.6	101.8	105.6	108.5	111.8	118.6	127.1	134.9	152.8	
225	134.5	136.0	136.7	137.5	137.4	137.3	136.9	136.6	136.8	136.3	136.2	133.8	132.4	
226	320.7	323.2	325.2	327.6	329.0	329.4	328.8	328.3	328.8	327.5	326.2	325.0	322.0	
227	371.6	375.3	376.9	379.0	379.9	380.6	380.1	380.4	379.8	379.1	378.4	377.3	375.6	
228	441.9	445.5	447.6	449.1	450.6	450.6	449.9	449.5	448.9	446.5	444.8	442.8	439.8	

Table CXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Orientation ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	$.0^\circ$	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 769 Pi	R: 770 Pi	R: 771 Pi	R: 772 Pi	R: 773 Pi	R: 774 Pi	R: 775 Pi	R: 776 Pi	R: 777 Pi	R: 778 Pi	R: 779 Pi	R: 780 Pi	R: 781 Pi	
229	459.8	461.7	464.7	466.4	467.3	467.2	467.6	467.1	465.7	463.2	461.6	459.7	455.5	
230	180.7	181.1	181.3	181.2	181.3	181.7	181.9	181.6	181.7	181.6	181.0	179.9	179.4	
231	523.4	491.5	475.7	459.5	442.2	433.7	424.0	415.5	406.3	389.8	373.9	358.5	332.6	
232	675.2	647.3	632.1	616.6	599.9	590.0	579.8	569.1	559.8	540.6	522.0	503.5	471.4	
233	462.4	497.2	516.4	536.1	556.5	566.5	577.2	586.3	596.1	612.1	628.1	642.9	671.1	
234	329.2	357.8	373.5	389.4	407.7	416.3	425.5	434.9	443.7	459.7	477.4	492.4	523.4	
235	235.5	213.0	201.5	190.5	179.2	173.7	168.1	163.1	158.0	149.0	141.7	133.2	120.0	
236	233.1	216.7	208.2	199.5	190.6	186.3	181.9	177.0	173.0	165.1	158.8	151.7	139.6	
237	191.8	187.7	183.7	180.0	176.3	174.2	172.6	170.6	168.7	165.7	162.7	158.9	152.8	
238	179.8	177.4	175.6	173.3	171.3	170.0	168.9	167.7	166.7	165.2	163.8	160.9	157.9	
239	165.5	166.0	166.1	164.6	164.2	164.2	164.5	163.8	163.4	163.3	163.6	162.6	161.7	
240	117.7	116.7	116.2	120.2	119.0	119.0	119.7	120.0	120.0	119.9	120.2	115.5	114.7	
241	161.6	150.0	144.5	138.5	132.5	129.9	126.9	124.9	122.2	116.8	112.4	107.9	97.4	
242	32.0	30.1	29.0	27.2	26.8	27.2	27.3	26.9	26.3	26.4	28.1	28.1	29.8	
243	88.9	91.5	92.1	93.4	93.0	92.7	92.5	92.7	92.8	92.6	91.6	91.6	88.8	
244	126.1	128.3	128.7	129.1	129.6	129.4	129.2	129.2	129.1	128.3	128.0	127.4	126.3	
245	127.8	130.0	130.5	130.2	130.9	131.6	131.2	131.0	131.0	130.6	130.1	129.2	127.7	
246	239.8	216.6	204.2	192.4	181.1	175.7	170.2	164.7	159.4	150.2	142.3	134.2	120.6	
247	220.5	196.6	184.7	173.6	163.1	157.9	152.4	147.9	143.0	134.4	127.3	119.7	107.1	
248	170.0	150.3	141.4	132.7	124.5	120.9	117.3	113.9	111.0	104.9	100.7	94.9	85.6	
249	86.3	95.9	100.0	105.8	111.9	115.4	118.9	122.5	126.5	134.8	144.0	152.9	172.9	
250	144.2	128.2	120.2	113.9	108.0	105.1	102.5	100.2	98.9	96.3	97.7	94.8	88.7	
251	97.3	85.1	79.6	75.2	71.1	68.8	67.1	64.9	62.9	60.6	58.2	53.8	49.2	
252	479.0	482.2	484.9	485.8	487.5	487.3	487.8	487.0	487.6	485.1	484.0	482.2	479.4	

Table CXXIX: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 783 Pi	R: 784 Pi
2	375.6	371.3
3	283.9	255.5
4	293.5	324.1
5	285.3	238.8
6	268.2	297.4
7	250.8	224.5
8	257.2	285.2
9	151.7	150.7
10	298.1	296.6
11	215.2	190.7
12	216.4	242.6
13	211.2	188.1
14	212.1	237.6
15	201.0	178.9
16	200.6	224.5
17	137.5	136.0
19	163.6	145.2
20	166.6	187.6
21	147.4	130.8
22	148.9	169.4
23	119.6	107.2
24	116.0	130.8
25	107.7	96.4
26	107.3	121.7
43	251.3	224.5
44	244.3	272.5
67	111.7	100.0
68	112.9	128.1
85	300.9	271.3
86	312.2	343.6
87	369.9	346.1
88	378.2	400.7
89	190.6	186.0
90	191.4	196.3
91	188.8	189.0
921	173.3	172.2

Table CXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 783 P: 784	R: 784 P: 784
922	417.2	415.0
93	290.4	290.1
94	408.0	409.2
95	204.5	205.4
125	123.0	110.6
126	128.8	144.9
128	103.7	102.5
132	145.2	145.0
201	560.1	554.3
202	728.4	722.1
203	842.4	837.9
204	912.4	907.6
205	909.2	904.0
206	842.0	836.6
207	754.6	749.9
208	683.0	679.1
209	657.9	621.2
210	772.6	740.8
211	872.0	852.6
212	883.9	893.7
213	796.9	818.4
214	674.3	704.6
215	167.6	165.9
216	317.8	287.2
217	325.6	357.6
218	414.5	407.6
219	147.2	130.6
220	150.5	170.4
221	109.0	97.4
222	107.8	121.5
223	108.4	95.6
224	107.0	120.7
225	110.8	110.5
226	276.9	275.3
227	324.6	324.1
228	388.3	385.8

Table CXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.00$, $q_\infty = 480.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	$.0^\circ$	2.0°
	R: 783 P:	R: 784 P:
229	531.4	528.0
230	224.3	224.4
231	413.7	379.9
232	565.9	528.5
233	562.5	596.1
234	411.9	444.8
235	177.1	156.9
236	206.7	188.5
237	210.9	202.4
238	208.6	203.9
239	204.1	202.3
240	150.0	150.8
241	147.4	135.0
242	24.3	23.6
243	74.1	73.2
244	104.1	103.0
245	105.7	105.1
246	168.8	149.5
247	152.9	133.3
248	113.9	102.2
249	114.7	129.7
250	94.7	86.6
251	66.8	60.6
252	554.6	550.9

Table CXXX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 326 Pi	R: 327 Pi	R: 328 Pi	R: 329 Pi	R: 330 Pi	R: 331 Pi	R: 332 Pi	R: 333 Pi	R: 334 Pi	R: 335 Pi	R: 336 Pi	R: 337 Pi	R: 338 Pi	R: 339 Pi
2	99.2	109.2	121.4	134.1	147.7	162.6	179.2	195.3	213.5	231.7	250.2	268.4	288.0	306.6
3	147.5	150.5	154.6	156.1	157.2	161.0	162.0	162.2	161.4	160.5	161.7	161.3	159.5	158.8
4	149.2	152.0	157.1	159.3	160.3	164.2	165.5	165.6	165.3	164.4	165.9	165.0	162.6	163.4
5	152.3	152.1	153.6	153.2	151.6	153.8	152.9	151.9	150.0	147.6	148.1	146.2	142.8	140.4
6	152.2	152.1	154.3	154.0	153.3	154.8	153.7	151.7	150.2	147.6	147.7	145.5	141.9	141.4
7	156.6	154.9	153.7	151.5	149.7	147.9	146.7	143.1	141.5	139.5	137.0	134.4	132.8	130.6
8	158.6	156.5	156.4	155.1	152.5	151.2	150.0	145.7	144.0	141.7	139.6	136.8	134.4	133.5
9	182.9	167.5	153.8	140.1	126.2	114.9	103.8	90.8	81.8	73.4	65.5	57.5	52.0	47.5
10	71.1	78.9	89.1	99.5	110.6	123.8	138.0	151.4	166.9	184.0	201.4	218.1	237.0	255.5
11	131.1	130.5	129.9	128.6	126.7	126.6	126.3	123.8	123.6	123.5	122.8	120.9	119.8	117.6
12	131.6	131.1	131.8	131.8	129.9	129.9	129.1	125.8	125.2	125.0	124.2	121.7	120.3	120.1
13	124.2	122.9	122.0	120.7	119.4	120.4	120.2	118.4	118.6	118.7	118.6	117.5	117.6	117.6
14	125.5	124.1	123.9	123.1	120.8	121.9	121.5	119.2	119.2	118.7	119.0	117.0	116.8	117.9
15	122.6	121.3	120.5	119.1	116.6	116.9	115.5	112.6	111.3	109.9	109.3	106.9	106.6	106.6
16	119.7	118.0	118.5	117.8	115.3	115.6	114.9	112.0	110.9	109.5	109.4	107.3	106.7	108.0
17	176.6	158.4	144.5	129.5	114.8	103.9	92.4	80.1	71.1	62.8	56.2	49.5	44.0	41.5
19	83.3	85.0	87.4	88.0	87.2	89.5	90.5	88.8	89.2	89.9	91.2	90.9	91.8	92.5
20	85.3	85.5	88.1	88.7	87.5	90.4	91.2	89.6	90.2	91.2	92.7	92.4	91.9	93.3
21	77.9	76.9	78.5	78.1	77.2	79.5	80.1	77.9	77.5	77.2	78.4	78.2	78.1	80.2
22	76.7	75.3	77.8	78.4	77.4	79.9	80.4	78.3	78.2	77.8	79.2	79.2	78.8	81.7
23	63.8	62.6	64.1	64.0	62.0	63.8	63.6	62.1	62.2	62.1	64.0	64.1	63.6	65.3
24	63.2	61.9	63.7	63.8	62.0	63.4	63.1	61.4	61.7	61.5	63.6	63.9	63.8	66.1
25	57.4	56.5	57.4	56.8	54.8	56.8	56.5	54.4	54.1	53.5	55.1	55.3	55.4	58.0
26	57.0	56.0	57.3	56.6	55.2	57.3	56.9	54.7	54.4	54.1	55.7	55.9	56.0	59.3
43	117.5	120.5	125.1	128.0	130.6	135.7	138.2	139.8	141.4	141.8	144.9	146.1	146.3	147.2
44	116.4	117.7	122.3	124.9	127.2	132.3	134.7	136.2	137.7	138.5	141.9	143.4	143.6	146.6
67	53.3	53.1	55.0	54.8	53.8	56.5	57.3	56.8	57.3	56.8	59.5	60.1	60.1	61.4
68	53.4	53.0	55.7	55.6	54.5	57.3	58.0	57.5	58.1	58.5	60.9	61.6	61.5	64.2
85	174.3	175.6	176.4	176.5	176.0	176.5	176.0	173.5	171.8	170.4	167.8	163.9	160.7	157.2
86	177.7	178.8	180.5	181.4	180.6	181.3	180.6	177.7	176.5	175.3	173.4	169.4	166.6	164.9
87	123.1	133.0	143.7	154.1	164.8	177.9	189.7	200.9	213.1	225.7	238.2	249.5	261.7	272.9
88	122.0	132.2	144.0	155.4	166.2	180.0	192.5	204.3	217.2	230.0	243.5	254.3	266.9	280.0
89	38.1	42.9	49.6	56.1	62.3	72.7	82.4	91.3	102.5	114.9	128.8	141.9	157.1	173.9
90	38.5	42.9	50.1	56.5	62.6	73.0	82.5	91.2	103.1	115.7	129.4	142.9	157.8	175.0
91	37.9	42.2	49.2	55.4	61.4	71.6	81.1	89.8	101.4	113.9	127.8	142.1	157.1	175.1
921	203.7	187.8	173.9	159.0	143.0	131.4	118.9	105.4	94.5	84.6	76.5	68.0	60.5	56.3

Table CXXX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 326 Pi	R: 327 Pi	R: 328 Pi	R: 329 Pi	R: 330 Pi	R: 331 Pi	R: 332 Pi	R: 333 Pi	R: 334 Pi	R: 335 Pi	R: 336 Pi	R: 337 Pi	R: 338 Pi	R: 339 Pi
922	119.4	131.0	143.9	157.7	172.2	188.2	205.2	222.9	240.9	259.4	278.2	297.1	316.3	335.4
93	68.8	76.3	86.8	96.5	106.5	120.4	134.1	147.3	162.5	179.5	196.7	213.6	231.5	250.6
94	114.2	124.9	139.3	152.2	165.4	183.1	199.4	216.1	234.3	252.8	273.4	292.1	311.7	332.8
95	42.4	46.6	54.3	61.1	67.5	78.7	88.6	98.2	110.5	123.9	139.2	153.9	168.8	186.8
125	73.8	70.9	71.7	70.8	68.6	69.4	68.8	65.4	64.0	62.6	63.1	62.0	60.0	60.5
126	77.2	74.3	74.9	74.4	72.3	73.1	72.1	68.5	67.3	65.5	66.1	64.8	63.1	64.4
128	134.3	119.9	108.6	96.1	84.1	75.9	67.0	57.2	50.5	44.5	41.4	37.1	33.6	33.2
132	31.0	32.7	37.0	40.5	44.1	52.5	59.6	66.8	75.6	85.5	98.7	111.3	125.8	141.3
201	476.9	461.9	445.8	428.2	410.7	392.6	373.5	353.7	334.1	313.8	293.3	274.2	257.0	240.6
202	537.9	530.0	520.9	509.4	498.4	484.3	470.6	453.8	437.6	420.8	404.0	386.3	368.2	349.7
203	558.0	558.1	555.9	553.0	547.4	541.0	532.7	521.7	509.9	496.7	482.1	467.5	449.6	432.7
204	531.1	538.9	545.7	551.7	556.0	558.1	557.6	556.1	553.8	548.8	541.8	532.3	523.2	510.6
205	457.4	474.0	488.3	502.0	514.8	525.3	535.9	543.6	549.2	554.4	556.9	557.0	557.3	553.7
206	366.4	386.1	404.8	423.9	442.2	460.1	477.7	492.4	505.7	518.5	528.8	538.5	545.4	549.7
207	297.2	316.3	335.2	355.4	375.1	394.7	413.9	432.3	449.3	466.4	482.1	495.8	507.9	518.7
208	260.3	278.7	296.7	314.1	332.7	351.0	369.1	387.4	405.0	422.5	439.5	455.7	470.9	484.1
209	396.6	400.9	402.5	403.2	403.6	402.8	401.2	397.5	393.2	387.6	380.8	373.3	364.1	353.8
210	458.2	464.3	467.8	470.5	473.0	473.8	472.3	470.5	466.1	460.5	453.1	444.7	435.2	424.8
211	510.4	518.2	523.5	528.7	531.9	533.1	534.3	531.9	528.1	524.1	517.3	508.9	498.3	487.2
212	514.7	522.3	528.1	534.1	537.0	540.0	539.5	537.8	534.4	529.5	523.8	515.9	505.2	493.8
213	467.3	473.4	479.2	483.4	485.5	485.6	485.3	482.9	479.0	474.1	468.1	459.5	449.2	439.6
214	399.9	403.5	406.9	409.3	410.1	409.5	408.4	405.5	401.1	396.4	390.3	383.1	373.4	365.6
215	196.4	180.6	166.9	152.8	139.0	126.0	114.2	100.8	91.3	82.1	73.3	65.3	58.4	53.6
216	167.2	170.5	173.6	175.6	177.7	179.8	181.9	181.4	183.1	183.3	182.7	181.5	180.7	178.4
217	168.5	171.5	176.0	178.7	180.4	182.8	185.2	184.7	185.8	186.1	185.7	184.3	182.4	181.9
218	116.7	128.2	142.0	155.9	170.3	186.7	203.4	219.8	238.6	257.2	276.3	293.7	313.7	332.8
219	74.2	74.8	76.3	76.9	76.6	78.3	79.0	77.4	78.7	79.8	80.0	79.8	79.3	79.1
220	73.6	74.5	77.0	78.0	77.5	79.1	80.2	78.5	79.1	79.9	80.6	80.3	80.0	80.5
221	52.3	52.1	53.3	53.6	52.9	54.5	55.3	53.4	54.0	55.3	56.4	56.4	57.7	58.7
222	51.4	51.2	52.8	53.7	52.8	54.3	55.1	53.1	54.0	55.0	56.2	56.2	57.9	60.2
223	48.7	49.6	51.0	51.7	51.1	53.1	54.4	53.3	54.5	55.8	57.1	56.9	57.7	56.7
224	48.1	48.7	50.9	51.6	50.9	53.3	54.1	52.6	54.9	56.3	58.0	57.3	59.7	60.5
225	139.8	126.2	115.0	103.4	90.9	82.5	74.0	64.0	57.2	50.7	44.9	40.4	36.4	35.4
226	292.9	275.1	257.2	239.7	221.7	204.8	187.4	170.3	155.0	140.7	128.0	115.9	104.3	94.8
227	334.4	314.8	295.5	276.6	257.4	239.0	220.9	203.0	186.0	170.2	156.2	142.7	129.2	118.2
228	393.1	373.5	353.3	330.4	308.4	285.7	265.7	246.4	227.9	210.9	195.3	180.5	166.6	154.5

Table CXXX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 326	R: 327	R: 328	R: 329	R: 330	R: 331	R: 332	R: 333	R: 334	R: 335	R: 336	R: 337	R: 338	R: 339
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	168.7	183.7	199.4	215.6	232.8	251.0	270.3	290.3	309.6	329.8	349.2	368.3	386.6	403.7
230	47.3	52.9	61.0	68.5	75.7	87.3	98.4	108.8	121.9	136.1	151.9	167.5	184.1	201.6
231	258.6	258.5	257.7	256.2	254.6	252.5	250.0	246.4	242.3	237.8	233.4	228.4	223.0	216.1
232	347.8	350.0	350.0	349.7	348.7	347.0	344.1	340.0	335.0	329.5	322.9	315.5	306.6	297.4
233	341.2	342.4	344.2	343.9	343.9	342.2	339.7	335.8	331.1	326.1	320.1	312.8	304.7	297.7
234	257.2	256.5	256.7	255.4	254.0	251.3	248.0	243.9	239.6	234.9	230.2	225.2	218.9	214.1
235	71.4	74.6	79.2	82.2	84.4	89.3	92.6	94.0	96.7	99.0	101.3	101.2	99.8	104.9
236	59.3	65.1	72.1	78.6	83.4	92.2	99.6	104.8	111.4	119.5	129.9	139.9	149.1	158.8
237	45.5	50.8	59.2	66.3	72.9	84.0	94.0	103.4	115.4	128.0	142.6	155.8	169.5	185.0
238	43.4	48.7	56.6	63.6	70.2	81.3	91.5	101.0	113.2	126.2	141.7	156.2	170.8	188.3
239	42.3	46.8	54.2	61.2	67.7	78.5	88.4	97.9	110.5	123.6	139.1	153.8	168.4	186.0
240	29.4	32.0	37.5	42.2	46.6	55.4	63.0	69.3	78.9	89.1	103.1	115.7	128.3	144.5
241	33.6	36.6	43.9	49.2	53.0	60.9	66.9	71.0	77.1	83.1	92.1	99.6	106.5	115.2
242	23.7	20.7	20.4	18.4	15.7	16.0	15.0	12.1	11.9	10.9	12.4	12.4	11.6	13.4
243	103.9	93.9	84.4	75.7	65.9	60.0	52.4	44.4	38.5	34.0	32.2	29.4	25.6	24.3
244	133.2	119.8	108.4	96.2	84.1	76.4	67.7	58.4	51.3	44.2	41.9	38.1	34.1	33.2
245	135.1	120.9	109.5	97.6	85.2	77.8	69.4	59.9	52.8	46.0	43.3	39.1	34.4	33.2
246	102.5	101.1	100.5	98.7	94.6	94.4	91.5	88.5	86.9	86.2	88.7	90.0	89.3	90.0
247	74.3	75.7	77.9	79.2	80.3	81.7	83.3	81.8	82.1	81.8	80.1	77.8	75.3	71.7
248	65.2	64.3	64.6	63.8	62.7	62.5	62.2	59.0	58.7	58.7	58.0	57.6	57.3	57.1
249	65.2	63.9	64.7	63.9	62.8	62.6	62.0	59.0	58.7	58.4	58.2	57.7	57.7	58.4
250	51.8	54.5	57.6	57.9	57.5	55.9	52.2	47.8	46.3	44.3	41.9	38.5	37.5	36.2
251	33.2	31.9	32.9	32.7	32.2	32.7	32.9	30.5	31.2	32.1	32.6	32.4	33.7	35.7
252	184.4	199.7	214.8	231.4	248.2	266.1	284.7	304.5	324.1	344.7	364.7	384.3	402.9	419.6

Table CXXXI: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 248	R: 249	R: 250	R: 251	R: 252	R: 253	R: 254	R: 255	R: 256	R: 257	R: 258	R: 259	R: 260	R: 261
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	121.9	135.1	150.3	166.7	184.1	201.2	222.6	244.4	267.0	289.7	312.8	336.5	361.2	384.0
3	200.4	206.0	209.8	213.9	217.3	220.4	223.4	224.1	223.0	224.1	222.7	221.4	220.7	217.4
4	166.2	172.8	175.8	178.7	180.9	182.0	184.1	184.9	185.6	185.9	185.3	184.1	183.1	181.5
5	206.9	208.8	209.5	210.2	210.9	210.7	211.0	209.9	207.1	206.2	203.9	201.4	199.0	193.6
6	169.9	172.7	172.5	172.5	171.9	170.9	170.1	168.6	167.8	167.2	164.8	161.9	159.4	156.6
7	214.3	211.9	210.3	208.5	207.2	203.9	202.2	199.1	195.1	193.0	189.8	186.0	184.0	180.4
8	178.7	177.1	175.5	173.4	171.3	167.3	165.6	163.0	160.7	158.4	156.5	152.8	150.8	148.8
9	229.5	210.6	192.1	174.1	158.5	141.7	127.8	113.7	100.8	90.9	81.1	71.9	65.3	58.6
10	88.0	98.3	110.5	123.7	138.7	153.1	171.4	190.6	209.3	230.5	251.6	273.7	297.0	319.7
11	182.0	180.8	180.6	179.0	179.2	176.8	176.8	175.4	173.3	173.5	172.5	170.5	169.8	165.3
12	145.4	146.2	145.9	144.5	144.0	141.1	140.3	138.6	138.3	138.0	136.9	134.8	133.5	130.9
13	172.9	170.6	169.1	168.0	168.1	167.2	167.8	167.0	165.7	166.8	165.8	166.2	166.4	164.9
14	138.4	137.7	136.2	134.9	133.8	131.9	131.8	130.8	131.1	131.5	130.9	130.2	129.9	129.8
15	169.4	167.3	166.6	165.0	164.1	162.6	161.4	158.2	155.5	154.7	152.4	151.1	150.6	148.4
16	132.2	131.7	130.7	129.8	128.1	126.1	125.1	122.9	122.2	121.9	120.7	119.3	119.2	119.2
17	224.1	202.7	182.7	164.4	146.4	129.8	115.0	100.0	88.2	79.4	70.1	62.2	56.3	50.6
19	117.3	120.7	121.8	124.0	124.5	125.5	127.7	126.6	126.4	128.0	128.5	129.5	131.2	130.3
20	93.6	94.5	95.7	97.3	96.4	97.5	98.8	98.0	99.2	101.5	101.9	101.8	102.5	102.0
21	108.9	108.1	109.0	110.2	110.4	112.0	113.8	112.3	111.4	112.6	111.8	111.9	113.3	112.7
22	82.3	83.0	84.1	84.9	84.4	84.8	85.6	84.5	85.2	86.7	86.5	86.1	87.2	88.0
23	88.7	88.6	89.7	90.2	89.5	90.0	90.3	89.4	89.7	91.8	91.4	92.4	93.3	92.6
24	67.0	67.5	68.0	68.7	67.1	66.1	65.9	66.0	66.5	68.5	68.3	68.9	70.0	70.7
25	81.0	80.8	80.9	80.4	80.2	79.8	80.3	79.1	78.8	80.7	79.5	80.1	82.2	82.9
26	60.2	60.9	61.2	61.0	60.5	59.5	59.4	58.7	58.9	60.4	59.6	59.7	61.9	63.2
43	161.0	165.8	170.8	176.3	181.7	186.9	192.2	195.1	196.9	200.6	201.4	202.7	204.8	204.0
44	127.3	131.6	135.0	138.7	142.0	144.5	147.9	150.5	153.0	156.5	157.3	158.4	160.5	161.3
67	73.9	75.7	77.1	78.1	79.2	79.1	81.4	82.0	82.3	84.8	85.1	85.5	88.2	87.2
68	55.2	58.3	59.4	59.9	60.3	59.5	61.1	61.7	62.3	64.5	65.1	64.5	67.0	67.3
85	237.3	238.1	239.4	239.8	241.6	240.5	240.9	239.2	235.6	233.3	230.1	226.2	222.8	216.1
86	201.2	203.4	203.9	203.7	204.3	202.4	201.7	199.9	199.0	197.4	194.8	191.6	187.9	184.5
87	162.9	175.5	189.3	204.5	219.8	234.4	251.5	268.4	283.2	300.1	314.6	331.0	347.2	360.5
88	142.1	154.7	167.4	181.1	194.7	208.2	223.8	239.0	255.2	270.5	285.0	300.4	315.5	330.0
89	47.3	54.2	61.7	70.9	80.4	91.0	104.4	118.1	132.6	148.9	164.9	183.4	203.0	221.2
90	46.4	52.8	59.5	68.3	76.9	86.8	99.5	112.0	126.3	142.0	158.0	175.3	194.6	213.3
91	46.2	52.3	59.5	68.3	76.7	87.0	100.2	113.1	127.7	144.2	160.7	178.1	198.3	217.5
921	255.3	235.1	215.5	197.2	178.5	162.5	146.7	130.3	117.1	105.7	94.9	84.7	76.6	68.9

Table CXXXI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Office ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 248	R: 249	R: 250	R: 251	R: 252	R: 253	R: 254	R: 255	R: 256	R: 257	R: 258	R: 259	R: 260	R: 261
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	147.7	162.3	178.7	196.0	214.7	234.1	255.6	278.3	300.2	322.9	345.8	369.7	394.4	418.9
93	84.1	94.8	106.7	119.6	132.4	148.8	167.0	184.6	203.7	224.6	245.7	267.3	291.2	312.8
94	138.6	153.0	169.1	186.6	203.4	223.7	245.7	267.3	290.1	313.7	337.5	362.3	388.7	413.0
95	51.2	57.8	65.8	74.9	83.6	95.3	109.0	122.6	138.2	155.8	173.1	192.3	213.2	232.3
125	102.3	100.6	100.6	99.9	98.0	97.9	96.8	94.0	92.1	91.5	89.6	88.9	88.1	85.8
126	83.2	81.9	80.1	80.1	78.3	77.3	76.5	74.2	73.2	73.0	71.2	70.2	69.3	68.7
128	167.8	151.2	134.9	119.4	105.1	92.4	81.8	70.9	62.7	57.2	51.0	46.0	43.0	39.3
132	35.2	38.7	43.5	48.6	55.1	61.9	71.8	83.3	95.4	110.3	124.0	139.6	157.7	175.4
201	599.6	580.7	559.3	537.5	515.5	492.5	468.4	442.2	417.5	392.6	367.4	344.0	321.8	301.4
202	674.9	664.8	652.5	638.7	623.8	607.0	589.1	569.7	548.5	528.2	506.9	483.9	461.2	438.0
203	699.5	697.2	695.3	691.1	684.6	677.0	666.0	652.6	637.8	621.6	604.3	584.4	563.6	542.3
204	663.2	674.1	683.9	690.3	695.0	698.2	698.2	697.2	693.3	686.7	677.9	667.3	653.4	639.1
205	570.8	590.4	609.5	626.7	642.8	657.2	669.5	680.3	687.9	693.3	696.9	697.6	696.3	692.7
206	456.4	481.2	507.2	529.7	552.9	574.8	596.6	616.9	633.4	648.4	661.6	672.0	681.6	687.7
207	369.1	393.1	418.0	441.9	468.5	493.3	517.9	541.4	563.6	583.9	602.2	618.6	634.1	647.8
208	323.3	345.9	369.2	392.0	414.8	436.8	461.1	485.3	507.0	529.3	548.9	569.5	588.2	605.2
209	521.0	524.4	528.0	531.1	531.9	531.0	529.0	524.1	517.9	510.9	500.4	491.1	479.4	465.7
210	592.7	598.0	605.2	609.0	611.2	613.5	611.9	609.3	603.2	596.7	587.6	577.3	565.2	551.0
211	648.1	656.7	665.8	671.2	676.4	678.6	679.0	676.9	672.7	666.7	658.5	647.6	J	620.1
212	630.8	641.1	650.3	657.0	661.9	663.5	663.6	662.1	659.0	653.0	645.2	633.3	620.1	607.5
213	565.1	572.7	579.0	584.5	588.3	587.1	586.0	583.9	580.4	573.2	566.0	556.1	543.6	531.7
214	474.3	479.6	483.6	485.6	486.3	485.9	483.3	480.4	476.3	470.1	463.5	453.7	442.9	432.6
215	247.5	228.6	209.2	191.6	174.6	156.9	142.2	127.4	113.9	102.1	91.8	81.1	73.4	66.3
216	227.4	231.5	235.2	239.1	243.2	245.4	248.4	249.9	249.5	250.6	250.2	248.6	248.1	244.6
217	191.5	195.4	198.7	201.5	204.0	205.0	207.0	208.6	209.8	209.9	209.9	207.8	206.2	205.1
218	145.6	161.1	177.0	194.6	213.9	232.6	254.3	278.1	300.3	323.2	346.1	369.8	394.8	418.9
219	104.5	105.4	106.8	108.2	109.6	109.8	111.7	112.3	111.3	113.6	113.9	114.7	116.2	116.0
220	80.7	82.6	83.4	84.2	85.1	84.3	85.3	86.1	85.8	88.0	88.6	88.6	88.9	87.9
221	74.5	74.9	75.2	75.8	77.4	76.8	78.2	79.1	78.5	79.8	80.1	82.1	84.7	84.6
222	55.6	56.4	56.8	57.6	57.7	56.8	57.5	57.8	58.0	59.2	60.1	61.0	62.6	64.1
223	69.6	70.8	71.7	73.3	74.7	75.3	77.2	77.9	78.4	80.6	81.3	81.9	83.8	84.4
224	51.9	53.6	54.1	55.0	55.7	55.3	57.0	57.3	58.4	59.9	60.3	62.5	61.4	53.1
225	174.6	157.9	141.6	127.2	113.4	100.7	89.9	79.0	70.1	63.1	56.5	50.2	46.1	42.7
226	367.0	344.3	322.0	300.2	278.9	258.6	233.9	212.0	192.8	175.0	159.5	144.4	130.4	117.9
227	419.8	395.4	370.5	345.6	321.3	298.2	275.4	252.4	231.5	212.3	194.6	177.8	161.7	146.7
228	494.7	469.3	441.5	413.4	384.6	357.1	331.1	307.0	284.8	263.9	244.3	225.8	208.2	192.6

Table CXXXI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = -2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Office ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 248	R 249	R 250	R 251	R 252	R 253	R 254	R 255	R 256	R 257	R 258	R 259	R 260	R 261
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	209.3	228.0	248.0	288.7	290.6	312.7	337.1	362.9	387.2	411.3	435.3	459.4	483.0	505.1
230	58.1	65.8	74.3	84.5	94.5	107.0	121.8	136.9	152.9	171.3	189.8	209.4	231.5	252.1
231	345.7	344.8	344.7	343.7	342.5	340.3	337.3	332.0	326.1	320.6	313.9	308.0	301.2	292.3
232	460.3	461.9	463.2	464.4	463.8	462.1	458.1	452.1	444.2	436.5	427.5	417.7	407.1	394.3
233	399.4	402.1	403.0	402.3	401.6	398.5	394.3	390.4	386.2	380.3	373.7	365.9	356.4	348.1
234	297.5	298.7	297.4	295.7	292.8	288.9	284.0	279.2	275.2	269.7	264.1	257.7	250.6	244.5
235	98.9	103.5	108.8	114.9	119.1	125.1	130.8	134.3	137.5	141.9	144.6	147.1	149.8	146.1
236	78.5	87.4	96.8	106.0	114.5	125.3	136.8	146.1	155.0	165.3	175.9	186.9	204.0	214.4
237	57.0	65.8	74.8	84.7	94.4	107.1	121.4	136.0	151.0	168.7	185.8	204.3	223.9	241.5
238	53.5	61.9	70.5	80.0	89.5	101.8	115.8	130.3	145.6	163.8	181.5	200.7	221.8	240.2
239	51.0	58.5	66.3	75.1	84.1	96.0	109.4	123.6	139.1	156.9	174.0	193.7	214.9	233.6
240	34.0	38.6	44.0	51.4	57.7	66.7	77.2	88.1	99.9	114.5	128.6	145.6	163.3	180.1
241	41.3	49.3	56.7	65.0	72.7	80.7	90.2	99.2	107.6	117.5	125.8	137.5	149.5	158.3
242	28.1	26.4	23.8	21.9	19.7	17.7	17.0	15.3	14.2	15.3	14.4	13.7	15.1	14.9
243	128.9	118.8	104.3	94.4	83.5	73.4	64.3	54.9	47.8	43.8	39.2	34.8	30.9	27.4
244	166.1	151.6	134.5	119.8	106.1	93.4	82.6	72.1	63.3	57.6	51.5	45.5	43.5	39.2
245	167.5	152.6	135.4	120.5	107.2	94.0	83.5	73.2	64.2	58.5	52.3	46.5	43.6	39.2
246	142.8	142.8	138.8	136.9	134.5	131.2	126.4	123.9	122.0	124.5	125.0	126.2	127.6	128.5
247	103.5	106.2	108.6	112.0	115.0	115.7	118.6	119.4	118.3	117.5	116.1	113.1	110.5	105.9
248	93.0	92.0	91.5	91.2	90.6	88.2	88.3	86.6	84.5	83.7	83.3	82.5	83.9	81.8
249	70.2	70.0	69.4	69.2	68.7	66.1	65.8	64.4	63.0	62.5	62.8	62.2	62.4	62.6
250	78.2	80.3	81.4	79.2	77.5	73.9	72.9	70.0	66.4	63.2	60.0	56.3	55.6	51.3
251	45.5	45.3	45.5	46.2	46.9	45.2	45.9	46.1	45.1	46.1	46.6	48.4	50.3	51.0
252	228.0	246.5	267.4	288.1	309.7	330.9	354.4	379.8	404.7	429.9	454.0	479.0	502.7	524.5

Table CXXXII: Ames Research Center 8x7 Tunnel - 10% Model

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 267	R: 268	R: 269	R: 270	R: 271	R: 272	R: 273	R: 274	R: 275	R: 276	R: 277	R: 278	R: 279	R: 280	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	122.1	137.1	150.9	167.0	185.0	202.8	223.6	244.8	267.8	289.9	313.7	336.7	360.5	383.4	
3	183.9	187.1	191.1	194.1	196.9	199.7	200.8	202.0	202.5	202.0	201.4	200.1	199.2	194.9	
4	185.5	189.0	194.3	198.3	201.5	203.7	205.4	206.5	207.7	207.1	206.5	204.9	203.9	201.2	
5	189.3	189.9	190.7	190.9	190.5	190.3	189.5	188.8	188.0	186.3	184.5	181.5	178.2	172.3	
6	189.6	189.3	191.4	192.5	192.3	191.7	190.8	189.7	187.9	186.4	183.7	180.5	178.2	173.8	
7	194.6	194.2	191.2	188.7	186.7	184.1	181.7	179.5	177.3	173.6	171.0	168.7	165.6	161.3	
8	197.4	196.3	194.6	192.5	191.2	188.1	185.7	182.7	180.0	176.8	174.0	171.6	167.9	164.8	
9	228.8	210.2	192.1	174.3	158.2	142.0	127.9	114.2	102.2	90.9	81.2	73.3	65.4	57.6	
10	87.9	99.6	110.6	123.2	138.1	153.2	170.8	189.1	209.5	229.4	251.4	274.5	297.1	318.8	
11	163.5	163.7	161.4	159.4	157.8	156.3	155.8	154.9	154.8	153.8	152.7	152.4	149.8	144.7	
12	163.3	163.8	163.7	163.1	162.7	160.7	159.9	157.9	157.4	156.2	153.9	153.5	150.6	147.6	
13	154.6	153.4	151.1	149.5	148.7	148.2	148.2	148.2	148.2	148.1	147.0	148.4	147.7	144.9	
14	156.1	155.2	154.0	152.4	151.2	150.3	150.2	148.9	149.1	148.6	147.0	147.5	146.5	144.7	
15	152.6	152.1	149.8	147.5	145.9	143.9	142.7	140.7	138.8	137.3	135.1	134.9	133.7	130.6	
16	148.5	147.9	146.9	145.5	144.5	142.6	141.6	139.6	138.9	137.1	135.3	135.2	134.1	132.3	
17	223.9	201.9	180.5	162.2	144.8	129.3	114.8	101.0	89.7	79.1	69.6	62.7	56.3	49.2	
19	102.4	107.5	107.9	108.4	109.3	109.9	111.1	111.3	112.2	112.1	112.7	114.4	115.3	112.6	
20	105.1	107.8	108.5	109.3	109.8	110.7	112.0	112.5	113.4	114.1	114.8	115.4	115.8	113.4	
21	95.2	96.9	96.3	95.7	96.9	97.2	97.9	97.8	98.0	96.9	97.1	97.7	98.5	96.9	
22	93.2	94.8	95.4	95.8	96.9	97.1	98.2	98.4	98.3	98.0	98.3	98.7	99.3	98.5	
23	77.2	78.5	78.3	78.0	77.9	77.0	77.2	78.4	78.5	78.5	78.7	79.6	80.5	78.3	
24	76.8	76.9	77.8	77.9	77.6	76.5	76.3	77.3	77.7	78.0	78.0	79.1	80.3	78.9	
25	70.3	70.4	70.3	69.5	69.4	68.6	68.9	68.9	68.6	68.2	68.0	68.9	71.0	69.7	
26	70.0	69.6	70.4	70.0	70.0	69.3	69.4	69.3	69.0	68.9	68.7	69.5	71.1	71.0	
43	145.8	149.7	155.0	159.3	163.7	167.4	171.5	174.6	177.2	179.2	180.2	181.9	183.4	181.8	
44	144.5	146.1	150.9	155.1	159.6	162.9	166.7	169.7	172.6	174.6	176.8	177.7	179.0	179.5	
67	64.9	65.8	67.2	67.5	68.3	68.4	69.5	70.7	71.7	72.4	73.7	74.3	75.4	73.3	
68	64.9	66.1	67.7	68.8	69.8	69.9	71.1	72.1	73.5	74.5	75.3	76.0	76.9	76.7	
85	218.0	219.8	219.1	219.6	219.6	219.1	218.5	216.7	215.1	211.9	208.4	205.6	200.8	194.0	
86	222.2	223.6	224.7	225.7	226.4	225.0	224.5	222.5	221.7	219.2	215.5	212.9	208.4	204.2	
87	154.0	166.5	178.4	192.0	206.3	220.6	235.7	251.5	267.0	282.5	296.4	312.4	327.0	339.6	
88	151.8	165.2	178.8	193.2	208.3	223.4	239.2	254.9	271.9	288.1	302.7	319.3	334.2	348.6	
89	46.6	53.9	60.7	68.9	78.5	88.7	101.2	114.5	129.0	144.6	160.1	176.9	197.2	215.1	
90	46.9	54.6	60.9	69.0	78.9	89.4	101.5	114.7	129.6	145.0	161.4	179.6	198.4	216.2	
91	46.2	53.2	59.8	67.7	77.3	87.4	99.5	113.0	127.8	143.1	159.4	178.2	197.6	216.2	
921	254.6	235.4	216.0	197.3	179.1	162.0	146.5	131.2	118.5	105.7	94.2	84.9	76.4	67.0	

Table CXXXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 267	R: 268	R: 269	R: 270	R: 271	R: 272	R: 273	R: 274	R: 275	R: 276	R: 277	R: 278	R: 279	R: 280	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	149.0	163.3	179.1	196.8	215.2	234.6	255.6	278.4	300.6	323.9	347.1	371.0	396.0	419.2	
93	84.1	96.0	106.6	119.1	133.6	148.5	165.6	184.2	203.7	223.6	245.4	267.6	290.9	311.9	
94	140.5	156.4	171.6	188.1	207.1	226.2	247.5	269.5	293.0	316.2	340.8	365.5	390.8	415.2	
95	50.7	58.9	66.2	74.6	84.8	95.8	108.7	123.5	139.0	156.0	174.1	192.8	213.1	231.5	
125	90.4	88.4	87.3	86.7	85.6	84.1	83.3	82.1	80.6	78.7	77.5	77.0	76.1	72.1	
126	94.8	92.4	91.6	91.3	90.2	88.8	87.6	86.3	84.6	83.0	81.2	80.3	79.8	77.4	
128	167.6	149.6	134.3	119.4	105.8	92.9	82.0	72.5	63.9	56.8	50.6	45.7	43.0	37.8	
132	36.2	39.1	44.5	50.1	56.2	63.3	72.7	84.1	95.9	109.3	123.2	138.5	157.7	173.8	
201	597.2	577.3	557.3	536.4	514.6	491.3	467.5	440.2	416.9	390.6	364.9	340.5	318.7	298.8	
202	672.7	662.2	650.5	637.5	622.4	605.9	587.5	567.4	548.3	525.1	504.2	481.9	459.1	435.8	
203	696.9	696.4	693.9	690.8	685.3	676.3	664.9	650.9	637.9	620.0	602.3	583.0	561.7	539.7	
204	662.4	673.2	683.0	689.9	696.1	697.2	698.0	695.0	692.1	685.3	675.8	666.3	652.7	637.7	
205	571.6	590.5	609.7	627.6	643.3	657.0	670.5	678.5	687.5	692.0	694.9	696.3	695.9	692.0	
206	458.0	482.7	505.8	530.3	553.2	575.6	596.6	615.2	633.5	647.7	660.5	672.6	681.5	687.8	
207	370.8	394.4	418.3	443.2	469.7	493.4	517.9	540.7	563.5	583.9	602.3	619.8	636.0	649.1	
208	325.2	347.5	369.9	392.8	415.6	438.1	461.3	484.5	507.7	529.7	550.0	571.1	590.1	606.7	
209	496.4	500.6	503.7	504.9	504.7	504.0	501.1	496.3	491.5	484.7	476.1	465.9	453.9	441.4	
210	573.4	580.0	585.5	588.5	590.8	591.6	590.2	587.0	581.8	575.3	566.8	556.6	544.8	531.0	
211	638.1	647.1	655.1	660.9	665.7	667.6	666.9	664.5	661.3	654.0	645.6	636.1	623.1	608.4	
212	641.8	652.5	660.5	668.2	671.7	673.8	673.7	671.1	668.1	662.2	653.8	643.1	631.0	616.7	
213	585.1	591.9	598.4	603.7	605.5	606.6	606.1	602.1	598.4	591.6	584.0	574.4	562.8	550.5	
214	500.6	505.3	509.3	511.9	513.5	511.9	510.2	505.8	501.4	495.7	488.4	478.1	467.6	456.4	
215	245.3	226.5	208.1	189.9	173.1	156.6	141.4	126.7	114.0	101.5	91.0	81.8	73.3	64.7	
216	208.2	213.4	215.7	218.4	221.5	224.1	225.6	227.3	228.7	227.8	227.9	227.2	225.1	221.3	
217	210.5	215.1	218.6	222.0	225.7	227.7	229.6	231.1	232.0	232.2	231.7	230.7	227.5	225.3	
218	145.0	161.0	176.4	192.8	212.7	231.8	253.4	274.9	298.0	321.3	344.7	369.0	392.0	415.6	
219	91.8	93.9	94.1	94.5	95.1	95.6	96.9	97.2	97.9	98.9	99.5	100.8	101.1	99.2	
220	91.4	93.7	94.9	95.9	96.7	96.9	98.5	98.8	99.5	100.2	101.4	102.7	102.8	101.5	
221	65.1	66.2	65.6	65.8	66.3	66.1	67.2	67.3	67.9	68.6	69.4	72.1	72.5	70.9	
222	64.0	65.2	65.3	65.7	66.3	65.9	67.0	67.1	68.0	68.2	69.1	71.8	72.7	72.3	
223	60.5	62.7	62.6	63.3	64.2	64.7	65.9	66.8	67.9	69.4	69.2	71.2	71.7	68.2	
224	59.7	61.9	62.2	63.2	64.3	64.6	66.1	66.8	68.0	69.3	69.8	71.7	73.5	72.1	
225	174.9	158.7	142.8	127.9	113.8	101.1	90.1	79.8	71.2	62.9	55.7	51.2	45.7	40.7	
226	366.5	343.2	320.9	299.9	278.1	255.4	233.6	212.0	193.1	175.3	158.9	143.6	129.5	117.2	
227	418.7	393.3	369.6	345.3	321.7	298.4	275.5	253.1	231.9	211.8	193.5	176.8	161.1	146.0	
228	492.9	468.3	440.8	413.2	383.6	355.8	330.3	307.0	284.6	263.1	243.0	224.1	207.1	191.3	

Table CXXXII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 267 Pi	R: 268 Pi	R: 269 Pi	R: 270 Pi	R: 271 Pi	R: 272 Pi	R: 273 Pi	R: 274 Pi	R: 275 Pi	R: 276 Pi	R: 277 Pi	R: 278 Pi	R: 279 Pi	R: 280 Pi
229	211.2	229.5	248.9	269.6	291.6	313.5	337.0	362.6	387.3	412.2	435.9	460.6	485.2	506.1
230	58.3	67.1	74.7	84.1	95.4	107.2	121.3	136.3	153.0	170.2	189.0	209.8	231.0	251.1
231	322.9	322.9	322.0	319.9	318.2	315.2	311.8	307.6	302.6	297.0	290.9	284.9	278.2	269.2
232	434.6	437.1	437.5	437.0	435.7	432.6	429.0	424.1	418.5	410.6	402.5	393.4	383.4	370.9
233	427.1	429.0	430.8	431.4	430.2	427.4	423.8	419.2	413.3	407.3	399.5	390.2	381.1	371.3
234	321.6	321.2	320.6	319.6	317.7	313.7	309.7	304.5	299.2	293.1	287.3	280.2	273.2	266.6
235	87.8	93.9	97.1	101.1	105.9	109.8	114.0	117.4	121.2	123.3	125.5	126.7	125.5	128.4
236	72.7	82.3	88.0	96.3	105.0	113.3	122.3	131.0	139.5	149.4	161.4	174.5	187.6	196.4
237	55.5	64.8	71.9	80.5	91.2	102.7	115.8	129.6	144.8	160.2	177.4	196.0	213.6	229.8
238	52.8	61.4	68.8	77.6	88.0	99.4	112.4	127.1	142.1	158.5	176.8	195.9	215.6	233.4
239	50.8	58.5	66.0	74.4	84.6	95.6	108.5	123.1	138.6	155.2	173.5	192.2	212.3	230.5
240	35.0	39.5	44.6	51.0	58.3	66.8	77.0	87.6	99.5	112.6	127.6	144.6	161.7	177.1
241	40.1	46.0	52.9	59.9	67.2	73.8	81.6	89.4	96.8	105.6	114.4	124.5	134.3	140.7
242	27.5	24.6	22.9	21.0	18.9	17.4	16.6	15.5	14.7	14.1	14.0	14.4	14.6	12.4
243	129.6	117.2	103.5	93.5	82.8	72.8	64.2	55.7	48.8	43.2	38.6	35.5	32.3	27.0
244	166.4	150.0	134.2	119.8	106.0	93.5	82.8	72.9	64.6	57.3	51.5	46.7	42.7	37.6
245	168.7	150.9	135.6	121.4	107.8	95.5	84.7	74.8	66.4	58.8	53.0	47.9	43.5	38.2
246	127.7	126.8	124.0	122.4	119.6	116.7	112.3	109.6	108.4	108.8	110.0	111.5	111.6	111.8
247	91.2	95.3	96.4	97.8	100.4	101.2	102.4	103.2	102.8	101.2	99.1	96.5	93.2	86.5
248	79.9	81.2	79.9	78.7	78.3	76.8	75.7	75.0	73.6	72.2	72.1	72.3	72.3	69.1
249	80.4	80.9	80.1	79.1	78.7	77.1	76.1	75.0	73.6	72.3	72.5	73.1	73.2	70.9
250	63.3	69.5	71.4	70.9	69.6	65.8	62.9	60.7	58.2	54.5	52.0	49.7	47.7	43.0
251	40.0	40.1	39.4	39.3	39.6	38.6	38.8	39.2	39.3	39.2	40.1	41.6	42.7	42.0
252	230.6	248.9	268.7	288.9	310.9	332.0	354.7	379.9	405.3	431.0	456.4	481.3	505.6	526.3

Table CXXXIII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 282	R: 283	R: 284	R: 285	R: 286	R: 287	R: 288	R: 289	R: 290	R: 291	R: 292	R: 293	R: 294	R: 295	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	121.8	135.9	150.1	166.9	183.6	203.0	223.9	245.7	266.7	290.2	313.9	337.3	360.3	383.5	
3	164.4	167.9	170.4	173.6	175.5	177.6	180.2	180.4	181.7	182.1	182.4	179.4	178.3	176.1	
4	205.7	209.7	214.6	219.9	223.2	226.3	229.7	230.0	230.7	230.3	229.7	226.3	225.9	222.5	
5	169.2	168.9	168.8	169.9	169.1	168.9	169.8	168.2	168.2	167.8	166.7	162.0	159.3	155.0	
6	210.9	211.2	211.7	213.3	213.2	213.2	213.7	210.8	209.1	207.6	205.0	199.9	198.1	193.0	
7	174.2	172.6	170.7	168.9	165.9	164.0	161.6	159.7	157.3	156.1	154.6	150.9	148.5	145.8	
8	218.5	216.6	215.4	214.6	211.2	209.5	207.1	203.2	199.3	197.3	194.7	189.6	186.9	182.6	
9	229.2	209.8	192.1	175.3	157.6	142.6	127.6	113.9	101.1	92.0	82.7	72.3	65.4	57.7	
10	87.8	98.8	110.2	123.8	137.5	154.1	172.1	190.7	209.6	231.8	253.5	274.7	296.9	317.7	
11	143.4	143.2	141.9	140.4	138.0	137.5	136.8	136.2	135.7	137.1	136.2	133.3	131.5	127.7	
12	182.9	182.6	183.9	183.8	183.1	182.6	181.7	178.8	176.5	177.0	174.9	171.3	170.1	165.1	
13	134.9	134.4	132.8	131.7	130.5	131.1	131.3	130.8	130.5	132.3	132.3	130.4	130.4	128.2	
14	176.5	174.6	173.2	172.3	170.8	170.9	170.8	168.6	167.2	168.6	167.3	164.5	165.7	161.8	
15	133.8	133.4	131.4	130.4	128.5	127.6	126.5	124.2	122.7	123.2	121.8	118.5	118.8	116.8	
16	167.0	165.6	164.5	163.8	162.7	161.8	161.0	157.5	155.6	155.5	153.8	150.1	151.3	148.1	
17	224.1	202.1	180.9	162.1	144.7	129.6	115.5	100.3	88.5	80.3	71.6	61.4	56.5	49.6	
19	88.9	91.3	92.9	94.1	95.1	96.8	98.4	97.8	97.7	100.4	101.1	99.3	101.5	99.4	
20	120.4	121.8	123.5	125.1	125.4	128.2	129.7	128.9	128.4	131.2	131.8	129.9	132.4	129.1	
21	82.7	82.9	82.9	83.0	83.2	85.3	86.0	84.8	84.0	86.1	86.7	84.4	86.2	85.5	
22	108.0	107.9	108.8	110.1	111.0	113.5	115.0	113.4	112.9	114.3	114.4	111.6	113.8	112.4	
23	66.8	67.4	66.9	67.4	66.7	67.8	67.9	67.8	67.8	69.6	70.6	68.5	70.1	69.0	
24	88.7	88.6	88.3	89.4	88.7	89.7	89.7	88.6	88.1	90.1	91.3	89.9	92.5	90.7	
25	60.7	61.0	59.7	59.6	59.3	60.1	60.3	59.0	59.0	60.3	61.2	59.4	61.5	60.9	
26	81.7	81.4	80.6	81.2	80.4	80.9	81.7	80.0	80.0	81.2	81.9	79.9	82.5	82.0	
43	129.6	134.2	136.8	141.4	144.9	149.2	153.5	155.2	157.9	160.1	162.7	161.4	162.9	162.7	
44	163.4	165.1	168.1	174.0	178.3	183.0	188.4	190.8	193.5	196.3	198.8	197.8	200.6	199.9	
67	56.2	57.3	56.9	58.4	58.2	59.1	61.2	61.2	62.4	64.0	66.1	63.7	64.5	63.8	
68	75.8	76.5	77.3	79.8	79.9	81.2	83.9	83.9	85.3	87.7	89.1	87.5	89.9	88.6	
85	195.3	196.5	197.4	197.5	196.7	196.6	196.0	194.1	192.2	191.9	188.9	183.9	180.0	175.1	
86	243.7	244.4	247.1	248.4	248.8	249.1	249.2	246.3	243.1	242.2	238.1	233.9	230.6	224.5	
87	142.5	154.0	166.1	178.4	191.3	206.2	220.7	235.3	249.4	265.4	279.7	292.9	307.2	319.0	
88	161.7	175.2	189.8	205.6	221.5	238.9	256.7	272.8	289.0	306.8	322.5	337.2	354.3	366.8	
89	46.0	52.0	58.7	67.3	76.1	87.7	100.4	112.0	126.1	142.8	158.3	173.4	193.3	210.6	
90	47.2	53.6	61.5	70.9	80.4	92.9	106.4	118.8	134.0	151.5	167.4	182.9	204.0	220.8	
91	45.7	52.0	58.9	67.5	76.5	88.6	101.9	113.6	128.4	145.9	161.5	177.8	198.6	216.3	
921	254.1	234.5	215.2	197.1	179.4	163.5	148.0	131.6	117.7	107.4	96.1	84.0	77.2	67.7	

Table CXXXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 282 Pi	R: 283 Pi	R: 284 Pi	R: 285 Pi	R: 286 Pi	R: 287 Pi	R: 288 Pi	R: 289 Pi	R: 290 Pi	R: 291 Pi	R: 292 Pi	R: 293 Pi	R: 294 Pi	R: 295 Pi
922	147.5	162.2	178.3	196.6	214.7	234.6	256.5	279.0	302.0	324.7	347.1	370.7	395.4	419.0
93	84.4	94.4	105.9	119.0	132.6	150.1	168.2	185.5	204.5	226.8	247.5	267.3	290.9	311.5
94	141.7	155.9	172.2	189.5	208.2	229.5	252.1	273.7	296.2	320.8	344.3	368.1	394.4	417.5
95	51.6	58.2	65.9	75.1	84.8	98.0	111.8	124.9	140.2	158.7	176.7	193.7	214.3	232.4
125	78.4	76.8	74.5	74.4	73.6	73.6	74.0	70.9	69.9	70.4	69.5	66.2	65.9	63.3
126	108.5	106.3	105.1	105.2	103.6	104.0	102.9	99.2	96.9	96.4	95.0	91.1	91.8	89.0
128	167.1	149.9	133.4	118.6	104.3	92.6	82.8	71.5	63.6	57.8	52.3	45.3	42.8	38.1
132	36.1	38.6	42.4	48.5	54.5	63.0	73.6	83.9	96.2	110.3	124.5	137.8	156.3	172.7
201	595.4	577.2	556.2	536.0	512.9	488.8	464.4	438.6	412.7	387.5	363.0	338.5	317.6	298.4
202	672.2	661.9	650.6	637.1	622.4	604.9	586.8	566.3	545.8	524.2	502.9	481.4	457.8	436.5
203	696.7	697.7	694.9	691.3	684.1	676.0	665.2	651.6	636.2	618.6	602.4	582.2	561.3	540.6
204	662.7	673.9	682.1	689.7	694.4	697.3	698.0	696.4	690.6	684.6	675.9	665.1	651.4	636.5
205	570.9	591.1	608.9	626.6	641.5	656.1	670.0	679.9	686.9	692.7	696.1	697.1	693.7	691.3
206	456.7	480.8	505.4	529.3	551.5	574.1	595.7	616.4	632.7	649.0	661.7	672.5	681.0	687.5
207	370.5	393.9	417.8	442.8	469.5	494.2	518.5	542.8	563.5	584.8	602.9	620.5	635.0	648.1
208	324.5	347.1	369.4	392.0	415.0	437.9	462.3	486.4	507.4	529.7	550.1	570.9	588.8	605.4
209	470.0	474.5	475.5	476.7	477.5	476.5	473.3	470.0	464.2	457.4	449.7	440.6	428.9	419.1
210	549.8	557.4	561.6	565.8	567.7	568.3	567.0	565.0	559.8	554.0	545.1	535.5	524.3	513.2
211	625.0	634.5	641.4	647.7	651.7	654.5	654.6	652.5	647.9	641.8	634.3	623.5	610.9	597.7
212	652.9	662.6	672.2	679.1	683.1	686.7	686.9	684.0	678.6	673.1	663.7	654.0	640.0	625.9
213	603.8	611.5	618.2	623.7	627.5	629.4	628.1	624.1	617.8	612.0	603.6	592.1	581.1	567.4
214	527.0	530.9	536.0	539.1	540.3	540.8	538.1	532.6	527.2	521.1	512.0	501.1	491.6	479.9
215	243.9	225.0	206.7	189.9	172.0	156.1	140.1	125.4	112.3	102.0	91.8	80.8	73.1	65.0
216	187.6	191.3	194.4	197.0	198.8	201.3	203.0	204.5	205.7	206.9	207.3	205.2	202.9	200.8
217	231.3	235.5	240.3	245.5	247.9	251.8	254.5	255.1	254.9	255.9	255.6	252.7	251.2	247.5
218	143.7	158.3	174.4	192.2	210.1	230.3	252.2	274.4	296.0	320.0	341.8	365.6	389.9	411.9
219	79.7	80.7	81.4	82.3	81.7	83.8	84.1	83.9	85.3	87.4	88.2	87.2	87.2	85.2
220	104.2	105.8	108.4	110.3	110.4	112.3	113.8	113.7	114.0	116.8	117.0	116.3	117.6	116.2
221	56.1	56.2	56.8	57.6	56.8	58.6	58.9	58.1	58.9	61.1	62.2	61.0	62.3	61.7
222	74.3	74.2	75.4	76.7	76.5	78.3	79.1	78.5	79.0	81.7	82.0	81.5	84.6	83.7
223	52.5	53.3	54.2	55.2	55.0	56.8	58.4	57.7	58.7	61.8	61.1	59.5	61.0	50.3
224	69.3	69.9	71.3	73.6	74.4	77.4	78.7	78.4	79.3	82.5	83.4	81.5	84.8	85.1
225	173.3	156.6	141.0	126.7	112.6	101.2	90.4	78.7	70.1	64.7	57.3	49.0	45.9	40.7
226	366.4	343.3	321.3	299.8	278.1	255.6	233.2	211.6	192.7	175.0	158.8	143.4	129.5	117.6
227	418.2	393.8	369.3	345.4	321.7	298.3	275.4	252.2	232.2	212.1	194.1	176.8	160.6	146.6
228	492.9	468.1	440.3	412.7	383.6	355.2	329.5	305.4	283.2	261.9	242.9	224.3	206.7	191.2

Table CXXXXIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 282	R: 283	R: 284	R: 285	R: 286	R: 287	R: 288	R: 289	R: 290	R: 291	R: 292	R: 293	R: 294	R: 295
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	210.3	228.3	247.7	269.4	290.9	313.7	338.5	363.8	388.9	412.7	436.6	460.6	483.9	505.2
230	58.0	65.6	74.1	84.0	94.8	108.6	123.5	137.1	153.8	173.4	190.9	209.0	231.1	250.6
231	297.0	297.3	296.0	294.8	292.3	289.6	286.0	282.1	278.2	272.8	267.5	261.3	253.6	247.4
232	406.3	408.1	408.0	408.1	407.1	404.3	400.6	396.5	391.2	384.9	377.3	368.0	357.5	347.8
233	456.1	456.8	459.2	460.5	459.3	457.1	452.6	446.9	440.6	433.0	424.0	414.9	405.4	394.5
234	346.5	345.9	345.8	345.4	343.3	340.1	336.0	330.3	324.4	317.7	310.8	302.7	295.8	287.4
235	77.1	81.3	84.7	88.8	92.3	97.3	101.1	103.0	105.3	109.0	107.2	105.2	111.9	115.4
236	66.6	72.4	79.9	87.2	94.1	103.3	111.1	117.5	127.1	140.5	151.5	160.2	172.2	180.0
237	53.9	60.4	68.1	77.4	87.1	100.1	112.8	124.9	138.8	155.8	171.5	186.8	205.0	221.0
238	52.5	59.0	66.7	75.8	85.5	98.6	111.8	124.5	139.4	157.4	174.5	191.1	210.7	228.4
239	51.1	57.6	65.1	74.0	83.7	96.6	110.3	123.0	138.5	156.5	174.5	191.5	212.0	229.8
240	35.5	39.7	44.3	50.5	57.5	67.7	78.4	87.6	99.8	114.7	129.4	143.8	161.4	176.7
241	37.8	43.7	49.1	55.3	60.9	68.4	75.3	79.9	87.3	96.1	104.4	110.7	120.6	128.7
242	28.7	25.9	22.7	21.5	18.9	18.5	18.2	15.1	14.6	15.4	15.4	13.2	14.4	12.4
243	129.1	117.9	103.4	94.0	83.0	73.8	65.1	54.7	48.2	44.8	40.8	34.6	31.5	26.7
244	166.3	149.5	133.5	119.9	105.4	93.7	83.3	72.1	64.4	58.5	53.6	45.4	43.0	38.1
245	169.0	150.6	134.3	121.3	107.1	95.6	85.4	74.2	66.2	60.2	54.7	47.1	43.7	38.4
246	111.4	109.8	107.2	107.2	104.4	102.6	99.9	96.2	95.1	96.6	98.4	97.1	98.1	97.8
247	79.8	82.1	83.5	85.5	85.9	88.0	88.5	88.0	87.3	86.9	85.3	80.6	76.7	71.5
248	68.8	68.6	68.2	68.2	66.5	66.9	65.6	64.2	63.1	64.1	63.9	62.2	62.3	60.7
249	93.8	92.1	92.1	92.1	89.8	89.7	88.7	86.3	84.5	85.1	84.6	83.4	84.8	81.8
250	50.2	53.8	59.2	63.1	62.6	62.6	59.3	53.5	51.1	50.0	47.5	43.0	41.6	37.0
251	36.3	35.3	34.9	35.1	33.9	34.6	34.5	33.6	33.6	35.8	36.5	35.1	36.9	35.9
252	229.5	247.7	267.4	288.4	309.3	332.1	355.9	382.0	407.1	432.2	456.6	480.9	503.9	525.2

Table CXXXIV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 297 Pi	R: 298 Pi	R: 299 Pi	R: 300 Pi	R: 301 Pi	R: 302 Pi	R: 303 Pi	R: 304 Pi	R: 305 Pi	R: 306 Pi	R: 307 Pi	R: 308 Pi	R: 309 Pi	R: 310 Pi
2	123.3	134.7	148.6	165.0	181.8	200.6	220.9	240.7	264.2	285.0	309.1	330.1	353.1	376.7
3	128.9	134.6	135.7	136.9	139.6	139.7	141.0	140.6	141.3	141.5	141.8	140.6	137.1	138.3
4	249.8	255.3	260.4	265.4	272.5	274.8	278.3	279.0	280.0	280.3	279.7	276.5	274.0	272.1
5	129.2	135.2	133.7	133.3	134.2	132.8	132.6	131.1	130.2	130.2	128.3	125.8	121.0	120.3
6	256.3	258.7	259.1	259.7	262.2	261.8	261.3	257.9	255.3	253.3	251.1	246.3	241.5	237.7
7	135.7	137.1	134.2	132.9	130.4	128.4	126.3	123.9	124.0	121.5	121.5	118.7	115.7	114.7
8	268.4	264.7	262.2	260.9	258.7	255.9	253.2	248.5	244.7	241.1	237.6	233.1	229.3	224.1
9	222.6	207.4	188.6	171.9	154.9	139.1	124.6	110.7	100.4	89.4	80.2	71.0	62.9	57.1
10	89.0	98.7	109.1	122.9	136.8	152.4	169.4	186.9	208.2	227.5	248.7	270.0	290.9	313.9
11	108.8	110.4	108.0	107.0	105.6	104.5	103.8	102.5	104.2	103.2	106.2	101.1	97.5	96.6
12	228.9	227.5	228.0	229.4	230.1	229.2	228.2	225.3	221.0	220.9	219.2	215.5	213.4	211.0
13	102.0	103.7	101.6	101.5	100.6	100.4	100.5	99.2	98.3	100.7	100.8	100.5	98.1	98.8
14	221.9	219.0	218.1	217.3	216.2	215.4	214.8	211.7	209.5	210.3	209.3	207.8	206.1	204.8
15	101.6	103.4	101.6	101.0	98.9	97.7	96.5	94.2	91.8	93.5	92.6	92.0	89.6	91.2
16	208.2	206.0	205.1	204.9	203.6	202.6	200.5	197.0	192.9	194.4	191.6	189.3	187.9	187.0
17	211.3	196.7	177.5	160.3	143.2	127.0	112.3	97.6	84.6	79.0	68.8	61.2	53.3	49.5
19	65.9	69.4	70.3	71.6	72.2	73.2	73.9	72.3	72.1	76.3	75.1	75.8	73.6	75.0
20	154.2	155.9	157.3	159.4	161.5	163.1	164.2	162.5	162.4	164.4	166.3	165.8	164.6	163.3
21	59.9	63.2	62.7	62.5	62.9	62.8	63.0	61.3	60.7	62.5	63.2	63.6	62.5	65.1
22	138.8	139.7	140.5	141.7	144.1	145.5	147.3	145.7	145.1	147.3	146.5	145.6	144.4	145.1
23	47.9	51.5	51.1	51.2	51.8	50.8	50.5	49.3	49.0	51.4	51.4	50.8	49.1	51.5
24	114.0	115.0	114.5	115.5	115.9	115.6	115.4	113.2	112.2	115.3	116.6	116.9	116.7	118.3
25	43.3	46.9	45.5	45.2	46.1	44.9	45.0	42.9	42.4	45.1	44.0	44.2	43.2	46.1
26	106.7	107.7	106.2	106.2	107.5	106.3	106.9	104.6	104.8	107.6	108.3	106.1	105.6	108.2
43	98.5	106.1	107.9	110.5	114.1	115.9	118.5	118.6	122.0	124.7	126.2	125.5	123.7	126.1
44	207.0	209.5	211.1	216.7	223.7	228.3	234.2	237.5	239.8	244.7	245.8	246.4	247.2	248.9
67	40.4	45.1	43.7	44.1	45.5	44.7	45.3	44.5	45.1	48.0	46.9	46.9	45.5	38.1
68	98.7	101.9	102.0	104.1	106.9	106.6	109.3	109.4	110.8	115.7	117.2	116.1	116.3	118.5
85	154.8	158.1	157.5	157.5	157.1	155.9	154.8	152.6	150.6	150.5	148.0	145.3	140.1	138.3
86	294.9	294.4	296.1	298.6	300.6	299.8	299.9	297.6	292.9	291.5	288.8	283.7	278.2	272.9
87	122.6	132.6	142.1	153.3	164.4	176.3	189.1	200.5	212.7	227.1	240.4	252.9	263.3	277.2
88	184.9	196.9	213.1	230.6	248.6	267.0	286.7	303.6	320.6	340.4	357.9	374.1	390.1	407.2
89	44.6	50.5	56.0	64.1	72.8	82.1	93.1	103.8	116.0	132.5	148.2	164.5	180.4	200.1
90	50.8	58.2	65.0	74.5	84.9	96.5	109.5	122.6	137.2	155.4	173.1	191.7	209.8	231.3
91	44.9	52.0	58.6	66.9	77.1	87.4	99.7	111.6	125.7	142.8	159.8	177.9	195.1	215.6
921	245.9	232.0	212.9	194.1	177.0	160.3	144.7	128.6	114.3	103.9	93.3	83.8	73.2	67.2

Table CXXXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 297	R: 298	R: 299	R: 300	R: 301	R: 302	R: 303	R: 304	R: 305	R: 306	R: 307	R: 308	R: 309	R: 310	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	148.6	160.9	176.9	194.4	212.4	233.1	254.0	275.3	298.0	320.5	343.1	366.2	389.3	413.3	
93	83.9	94.9	105.7	118.3	133.0	148.4	165.8	181.8	200.9	222.2	243.7	263.9	283.9	307.4	
94	144.0	158.8	174.2	191.3	211.5	230.9	252.7	273.6	296.1	320.5	344.8	368.5	391.4	417.6	
95	50.6	59.1	66.6	75.5	86.9	98.1	111.8	124.2	139.5	157.0	175.7	193.9	211.4	233.3	
125	54.7	58.9	56.7	54.9	56.9	55.4	55.0	52.5	51.5	51.6	50.9	50.1	46.3	47.7	
126	138.4	138.5	137.1	136.3	136.3	134.0	131.8	127.7	124.5	123.3	122.4	119.3	116.4	116.8	
128	158.1	148.4	137.8	126.1	106.5	92.4	81.3	70.4	60.7	54.9	49.0	43.8	37.4	37.0	
132	32.5	38.8	42.2	48.0	56.1	63.1	72.4	81.3	93.6	106.8	120.7	135.9	149.8	169.3	
201	578.8	562.8	543.8	521.7	498.2	474.9	450.0	425.4	401.1	375.6	351.6	330.9	310.1	291.0	
202	652.6	646.1	634.3	620.6	605.1	588.2	570.5	551.4	532.5	512.2	490.5	470.4	448.5	426.9	
203	680.5	680.7	678.4	674.1	667.1	659.1	648.0	635.1	621.0	604.3	587.8	568.9	549.4	528.0	
204	648.1	657.1	666.5	674.1	678.6	680.5	680.2	678.1	674.4	667.7	659.5	649.3	635.9	622.7	
205	562.0	578.4	596.7	613.0	628.2	642.2	655.7	664.7	672.4	677.3	679.5	679.7	678.9	675.6	
206	449.8	470.3	495.1	517.2	539.5	561.6	582.0	600.9	618.3	633.5	645.7	656.5	664.3	671.6	
207	368.3	387.3	410.7	435.2	459.8	483.7	508.1	530.5	552.0	571.6	590.1	606.4	621.4	634.2	
208	322.1	340.4	363.1	385.2	407.0	429.4	452.3	475.4	497.9	518.7	539.5	558.7	576.3	593.6	
209	409.3	415.0	418.0	418.8	418.4	416.7	414.8	411.1	407.0	401.0	393.2	385.8	375.6	366.8	
210	497.1	504.7	511.1	514.3	515.5	515.7	514.4	511.5	507.7	501.1	493.3	485.4	473.1	463.5	
211	588.3	597.9	605.4	610.8	614.4	616.7	616.2	612.9	610.0	603.5	595.0	587.0	574.0	562.3	
212	661.9	671.2	680.4	686.9	691.5	693.7	692.6	690.6	686.6	678.9	670.1	661.2	647.4	634.0	
213	635.2	640.1	647.1	653.2	656.0	657.2	656.2	652.9	646.6	639.6	631.2	620.0	608.1	594.9	
214	575.6	577.3	582.3	585.6	586.8	586.6	583.9	578.6	573.0	564.5	556.6	544.8	534.6	521.9	
215	234.8	220.3	201.6	183.8	166.3	150.3	134.8	120.6	108.9	98.0	87.5	78.4	69.9	63.1	
216	149.8	154.6	155.4	157.9	159.1	160.4	161.7	162.4	163.8	164.4	163.5	162.9	160.6	159.5	
217	281.3	283.6	288.4	294.0	298.3	302.1	305.0	305.6	305.8	306.2	306.3	303.3	301.4	298.7	
218	141.6	154.1	168.7	186.3	204.3	222.8	243.6	264.4	285.8	309.0	331.5	353.6	376.0	400.3	
219	59.8	62.1	61.1	62.2	62.4	62.1	62.3	62.0	62.2	64.0	63.7	63.0	57.4	52.5	
220	136.5	137.1	138.6	141.7	143.9	144.7	145.2	146.1	146.4	148.6	150.2	149.9	149.6	150.9	
221	43.3	45.4	44.3	45.3	45.2	44.8	44.8	43.4	42.8	45.5	45.3	46.1	44.5	47.6	
222	99.8	99.2	98.9	100.9	102.0	102.4	102.7	102.9	102.9	106.0	107.2	108.3	109.1	111.7	
223	40.4	42.8	42.2	43.2	43.1	43.2	43.5	42.6	41.8	45.0	42.8	35.0	26.2	26.4	
224	93.1	93.6	94.3	96.9	98.3	100.7	102.4	102.5	103.1	106.7	109.3	110.3	110.3	112.6	
225	167.3	155.1	138.7	123.7	110.2	97.7	86.8	75.6	65.8	60.3	53.6	48.0	41.5	38.6	
226	356.4	338.9	317.5	295.5	273.5	251.6	230.5	210.2	191.6	174.0	158.4	144.1	130.4	118.6	
227	408.3	389.2	365.6	340.9	317.6	295.2	272.9	251.3	230.9	211.2	193.3	177.1	161.1	146.7	
228	478.8	458.4	432.1	404.0	376.0	348.8	324.1	300.8	280.2	259.6	240.5	222.4	204.9	189.1	

Table CXXXIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 6.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 297	R: 298	R: 299	R: 300	R: 301	R: 302	R: 303	R: 304	R: 305	R: 306	R: 307	R: 308	R: 309	R: 310
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	210.3	225.6	245.2	266.1	287.5	310.1	334.1	357.5	382.6	406.2	429.7	452.3	473.6	496.4
230	58.2	66.3	73.9	83.8	95.4	107.3	121.5	135.0	150.7	169.7	188.6	207.4	225.5	248.3
231	246.2	248.5	247.5	245.5	243.3	241.3	238.1	234.1	230.3	225.8	220.4	215.5	208.3	203.3
232	345.2	349.7	350.7	350.0	348.4	347.1	344.1	340.2	335.9	329.6	322.0	314.2	304.3	295.8
233	508.9	509.3	511.4	512.1	511.4	510.1	505.4	499.5	492.1	483.9	475.4	464.7	454.4	442.3
234	399.8	398.0	397.7	397.2	395.6	392.5	388.6	383.1	376.8	369.9	363.3	354.9	347.1	337.6
235	58.4	64.2	66.2	68.4	71.2	73.0	74.8	73.9	71.3	74.0	79.1	84.2	86.6	93.3
236	54.5	61.9	65.9	70.8	76.3	81.4	89.7	96.3	104.4	113.2	120.7	127.2	132.6	142.1
237	48.9	57.4	63.2	70.8	80.5	89.4	100.5	111.1	124.0	139.1	154.4	169.6	183.7	202.3
238	48.7	57.1	63.6	71.6	82.1	92.0	104.7	115.9	130.2	146.9	163.5	180.4	196.6	216.9
239	48.8	57.7	64.5	73.0	84.5	94.9	107.8	120.4	135.0	152.4	170.7	187.9	204.9	226.9
240	32.0	38.7	42.9	48.4	57.2	63.7	73.6	82.5	94.2	108.1	122.2	136.6	151.6	170.5
241	34.3	41.2	43.2	46.2	51.8	54.0	58.5	62.0	67.5	74.6	82.1	89.5	96.0	106.7
242	33.8	33.7	28.7	25.4	24.0	20.3	18.5	15.3	13.9	13.8	13.1	12.1	9.5	11.2
243	118.1	112.9	99.4	89.4	80.2	68.1	59.7	51.2	44.3	39.7	35.1	30.4	24.4	23.1
244	158.6	149.0	131.8	116.8	104.7	91.0	80.9	70.1	61.9	55.6	49.5	44.1	37.4	36.2
245	159.5	149.5	132.7	118.2	106.7	93.6	83.1	72.4	63.7	57.1	51.2	45.1	38.3	36.5
246	81.6	86.0	83.1	81.7	81.9	78.2	76.6	73.5	71.9	72.2	72.6	73.1	72.0	74.5
247	61.1	63.6	63.4	64.7	65.3	65.1	64.2	62.9	62.1	60.5	57.2	53.5	44.7	45.5
248	50.8	52.1	50.9	51.0	51.1	50.5	49.6	48.3	47.7	47.0	46.5	45.8	44.1	44.9
249	124.3	122.6	120.4	119.9	118.8	116.9	115.3	113.0	110.6	110.2	110.0	109.3	111.0	109.3
250	32.2	34.6	34.8	41.0	47.3	51.0	50.9	49.2	44.7	40.2	36.7	33.9	30.2	28.9
251	29.4	31.4	29.9	29.9	28.3	26.6	25.9	24.5	23.9	25.4	25.4	25.9	26.0	28.4
252	229.2	244.6	264.4	284.6	306.0	328.4	351.8	375.8	400.8	425.5	449.2	472.7	494.3	516.7

Table GXXXV: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 312	R 313	R 314	R 315	R 316	R 317	R 318	R 319	R 320	R 321	R 322	R 323	R 324
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	222.5	222.6	223.0	222.9	223.1	222.9	222.7	223.2	223.9	223.8	223.8	223.2	220.6
3	269.1	246.4	233.3	223.7	212.6	206.3	199.3	195.4	190.1	179.1	170.0	159.9	141.0
4	146.5	164.3	172.7	184.0	194.5	199.7	204.2	211.9	218.2	228.1	241.9	253.6	276.6
5	256.4	233.6	221.4	211.1	201.0	194.9	188.2	184.5	179.6	168.6	160.0	150.4	132.2
6	134.2	151.4	159.2	169.8	180.4	185.2	189.7	197.3	203.2	212.4	225.5	236.9	259.1
7	245.8	224.0	212.7	202.5	192.4	187.3	181.6	176.1	171.2	161.6	152.4	143.6	126.8
8	131.4	147.2	156.1	165.2	175.1	180.3	185.7	190.9	196.9	206.5	218.5	229.7	252.0
9	126.0	125.8	126.1	127.7	127.1	127.9	127.9	127.2	127.8	127.2	127.0	126.3	124.5
10	171.3	171.2	170.9	171.4	170.6	170.5	170.1	170.2	171.7	171.8	171.8	171.5	169.7
11	221.2	197.7	186.7	176.9	166.2	161.1	155.1	149.7	145.3	136.3	127.3	119.2	104.1
12	107.7	122.2	130.9	140.0	148.6	154.3	159.4	164.5	170.6	181.1	191.4	204.1	226.9
13	209.0	187.1	176.7	168.1	158.1	153.5	147.3	142.7	139.2	130.5	122.0	114.8	100.2
14	101.8	115.3	123.6	131.7	139.8	144.7	149.3	154.5	160.4	170.0	179.7	191.1	213.0
15	199.6	179.0	169.6	161.3	151.9	147.5	141.4	137.3	133.6	125.7	117.6	110.3	96.5
16	96.4	109.5	117.2	125.0	132.4	136.7	140.9	145.7	150.9	160.2	168.8	179.5	199.3
17	111.9	112.8	113.8	114.9	114.7	114.6	113.7	114.2	114.2	114.5	112.9	112.4	111.3
19	159.4	142.3	134.4	127.5	118.8	115.0	110.0	106.7	103.6	97.3	90.6	85.0	73.3
20	74.1	85.5	91.6	98.6	104.6	108.3	111.3	116.4	120.1	128.6	136.3	144.9	162.1
21	144.0	128.1	119.9	113.2	105.4	101.4	97.0	93.9	90.5	84.9	78.8	73.7	62.1
22	62.4	73.5	78.4	85.2	91.3	94.6	97.7	102.2	105.8	113.7	121.3	129.1	145.5
23	116.0	102.9	95.2	90.3	83.7	80.3	76.1	74.3	71.6	66.5	62.2	58.2	49.7
24	48.0	56.3	60.0	65.8	70.7	73.2	75.4	79.5	82.4	88.1	94.6	100.9	113.5
25	104.5	91.9	84.6	80.3	74.3	71.2	67.4	66.1	63.7	58.9	55.5	51.3	44.6
26	43.2	50.2	53.3	59.4	63.9	66.1	68.2	72.5	75.2	79.9	86.8	92.9	105.1
43	233.2	211.7	200.3	191.5	182.4	176.5	169.5	166.5	161.8	151.7	143.7	135.3	118.0
44	116.2	131.4	138.6	147.8	156.7	160.9	165.3	172.6	177.9	186.9	199.0	210.4	232.6
67	106.2	92.7	85.6	81.2	75.5	71.8	67.9	67.1	64.9	59.4	57.0	52.7	45.0
68	45.3	51.2	55.2	61.3	65.8	67.6	69.8	74.5	77.8	82.0	89.8	95.9	108.0
85	289.9	264.9	253.1	241.3	229.6	224.3	217.8	211.9	206.5	195.6	184.8	174.9	155.1
86	162.4	181.0	190.6	201.7	212.1	218.2	224.2	230.2	237.0	248.7	261.2	274.6	298.3
87	281.7	268.8	258.4	252.4	243.7	240.3	234.7	231.0	228.3	220.4	212.4	205.2	189.1
88	195.2	209.2	216.7	223.9	230.8	235.0	238.8	243.4	247.9	256.3	264.2	272.2	285.5
89	108.1	105.7	105.3	104.8	102.9	102.4	99.9	100.1	100.6	99.5	97.4	96.3	93.1
90	92.7	95.7	97.8	99.8	100.3	101.1	100.7	102.5	104.0	105.8	106.1	108.0	109.3
91	98.7	99.1	99.7	100.5	99.8	99.8	98.5	100.0	100.3	100.9	100.4	100.6	99.2
921	144.0	144.8	146.1	146.7	146.5	146.6	146.1	146.4	147.0	146.7	145.9	145.7	143.2

Table CXXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 312 Pi	R 313 Pi	R 314 Pi	R 315 Pi	R 316 Pi	R 317 Pi	R 318 Pi	R 319 Pi	R 320 Pi	R 321 Pi	R 322 Pi	R 323 Pi	R 324 Pi
922	254.8	256.5	256.5	255.5	256.2	255.5	254.9	255.7	256.9	257.2	256.4	255.3	253.6
93	165.1	166.3	165.9	166.8	166.0	166.1	164.8	165.9	166.3	167.4	167.1	166.9	165.0
94	239.4	243.5	244.3	245.1	246.4	247.2	246.8	248.0	249.5	251.9	252.3	253.4	251.7
95	106.4	108.3	108.3	109.0	108.7	108.9	107.8	109.6	110.1	110.8	111.5	111.5	110.8
125	123.4	109.9	102.3	97.1	90.3	87.0	82.6	81.0	78.2	72.8	68.1	63.7	54.2
126	57.2	66.4	70.3	76.6	82.1	84.9	87.1	92.1	95.1	101.6	108.8	115.6	130.1
128	79.3	80.5	79.8	81.5	82.0	82.0	81.1	82.6	82.5	81.2	82.5	83.3	80.1
132	70.8	71.1	70.1	72.0	72.9	72.6	71.4	73.4	73.7	72.0	73.0	72.7	72.0
201	461.6	466.1	466.3	467.9	466.8	466.1	466.5	465.3	465.2	464.5	462.4	458.7	449.5
202	579.1	585.1	586.8	589.5	588.7	587.6	587.1	587.7	586.2	586.8	584.7	581.3	570.1
203	653.8	661.4	663.8	666.2	665.9	664.4	663.6	665.4	664.0	665.0	662.6	659.9	647.7
204	688.6	694.9	697.0	698.9	698.6	697.1	696.6	697.1	697.2	697.5	695.9	691.6	680.4
205	660.3	665.9	669.2	669.3	670.3	669.2	668.3	669.4	668.6	670.3	668.4	664.0	654.6
206	589.6	594.2	596.8	596.3	596.2	596.0	594.8	596.7	595.3	595.9	594.7	591.2	583.0
207	511.0	515.2	517.2	517.5	517.3	517.5	517.1	518.8	518.1	519.3	517.8	515.4	508.4
208	455.3	459.5	460.2	461.4	460.8	461.1	460.7	461.5	462.7	462.7	460.7	458.8	452.5
209	576.1	553.3	540.9	529.3	513.6	507.6	500.9	494.4	486.7	474.2	458.9	444.2	415.1
210	646.7	629.9	621.1	612.6	600.9	594.8	589.7	583.7	579.1	567.3	555.2	542.2	515.0
211	692.7	687.0	683.4	679.0	673.2	668.7	666.5	662.9	660.8	654.2	646.6	636.4	616.5
212	632.8	649.2	655.5	663.7	670.4	672.1	673.1	678.0	681.4	686.3	690.6	692.3	691.9
213	539.9	563.6	573.9	585.4	596.0	602.1	606.1	611.1	617.2	626.8	637.1	644.3	655.3
214	427.3	455.5	468.4	483.0	496.7	504.5	510.4	517.3	524.1	538.5	551.6	562.4	582.6
215	142.6	141.9	141.9	142.1	141.5	141.8	141.3	140.8	141.0	139.7	138.9	137.1	134.6
216	297.2	272.5	260.6	249.0	237.6	232.1	225.6	219.9	213.7	202.8	192.6	182.0	162.2
217	167.6	186.2	196.5	207.0	217.9	223.5	229.6	236.0	242.6	254.0	266.9	279.8	303.9
218	258.4	257.3	256.3	255.5	254.0	253.4	252.8	252.3	252.8	252.0	250.6	248.3	243.6
219	143.1	126.3	118.4	112.1	103.9	100.7	96.5	93.0	90.2	83.5	77.9	72.8	62.5
220	63.8	73.6	79.0	85.5	91.3	95.0	98.1	102.1	106.2	113.1	120.8	128.6	144.4
221	102.8	89.5	83.3	76.6	72.0	69.9	66.4	64.0	62.5	57.7	54.2	50.5	44.7
222	43.6	48.7	52.9	57.9	61.5	64.2	66.0	69.4	72.8	78.2	83.5	89.6	101.7
223	101.9	88.2	82.6	77.6	71.2	68.7	64.6	63.0	61.6	57.1	53.2	49.7	43.1
224	42.3	48.0	52.6	57.2	61.0	63.5	65.0	68.8	72.1	77.8	82.8	88.9	101.5
225	87.2	88.2	89.2	90.1	89.6	90.0	89.0	89.6	89.7	89.4	88.3	88.0	85.7
226	230.2	232.3	232.8	233.4	233.7	233.4	234.0	233.4	233.4	233.2	232.6	232.2	228.9
227	271.5	273.5	274.3	275.1	275.5	275.4	275.9	275.0	275.0	275.2	275.4	274.6	271.9
228	327.7	329.7	329.4	330.6	330.9	330.5	330.4	330.1	330.0	329.6	328.8	327.4	323.0

Table CXXXV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 312 Pi	R 313 Pi	R 314 Pi	R 315 Pi	R 316 Pi	R 317 Pi	R 318 Pi	R 319 Pi	R 320 Pi	R 321 Pi	R 322 Pi	R 323 Pi	R 324 Pi
229	334.6	337.3	337.4	337.1	336.8	337.3	337.4	337.0	338.3	338.9	338.2	336.8	334.0
230	120.6	121.3	121.4	122.1	121.6	121.3	120.0	121.5	122.1	122.6	122.0	122.1	120.8
231	388.2	362.8	350.2	337.2	323.8	317.7	311.6	304.6	298.7	286.4	273.6	261.3	237.6
232	508.4	484.1	471.1	458.0	442.3	435.9	428.6	421.7	414.8	401.5	386.9	372.0	344.5
233	340.2	366.8	380.0	394.1	408.5	416.2	424.0	430.8	436.2	452.9	467.7	481.1	504.5
234	238.6	260.8	272.0	283.4	295.8	302.7	309.6	316.5	321.8	336.0	349.4	362.0	386.5
235	162.4	145.9	138.3	131.0	122.1	118.2	112.9	110.0	106.5	99.9	92.7	87.4	74.2
236	160.4	148.6	142.5	136.7	129.4	126.1	121.3	119.1	115.7	110.2	103.3	98.0	88.8
237	129.7	125.7	123.1	121.3	118.2	117.0	114.6	114.5	113.5	111.9	108.6	106.0	99.8
238	120.1	118.6	116.6	115.9	114.0	113.0	111.2	112.1	111.4	110.7	109.4	107.5	103.6
239	109.1	110.1	108.9	109.8	109.2	108.7	107.6	109.3	108.9	109.0	109.4	108.7	106.9
240	74.3	74.4	76.0	77.7	77.0	76.6	75.6	77.3	77.4	76.9	77.1	76.4	72.4
241	105.7	98.2	92.8	90.4	86.1	83.4	80.1	79.9	78.1	73.5	70.6	66.2	57.6
242	17.9	17.2	15.7	17.1	16.5	16.1	15.1	16.7	16.9	16.2	17.8	17.5	17.2
243	58.8	61.4	61.0	64.1	64.3	63.8	62.8	64.5	65.0	63.0	62.9	63.6	58.3
244	79.8	80.5	80.5	82.6	82.6	82.3	81.1	83.2	83.2	81.7	82.8	81.6	79.4
245	81.0	81.9	81.6	83.4	84.0	84.1	83.2	85.2	85.1	83.7	84.9	84.0	81.7
246	156.8	140.5	132.4	126.3	119.3	115.1	110.8	109.0	106.2	98.4	94.1	87.3	75.7
247	151.7	134.0	126.1	118.8	110.5	106.9	102.2	98.6	95.2	88.3	82.3	76.3	65.0
248	113.9	100.2	94.1	88.6	81.9	79.2	75.7	73.1	70.7	65.5	61.7	57.4	49.8
249	49.7	56.5	60.8	66.3	70.6	73.8	76.0	79.3	82.7	88.3	94.9	101.3	115.1
250	95.5	83.0	77.7	73.3	67.8	65.8	62.7	61.1	60.4	58.9	58.1	55.7	51.5
251	62.1	53.0	48.8	46.4	42.0	41.2	38.5	37.1	36.8	34.0	31.7	29.9	26.2
252	352.0	354.3	354.7	354.5	354.4	354.7	354.4	355.0	355.8	357.3	355.8	354.8	352.2

Table CXXXVI: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 263 P1	R: 264 P1	R: 265 P1	R: 266 P1
2	266.9	267.5	266.8	262.3
3	223.6	201.3	180.3	143.4
4	186.5	206.6	228.5	279.8
5	207.0	187.0	167.1	132.4
6	168.3	187.8	207.5	256.2
7	195.5	176.5	157.4	123.9
8	161.7	180.1	198.9	244.1
9	101.8	101.2	100.9	100.7
10	210.0	209.8	209.2	207.3
11	174.2	154.3	135.2	104.3
12	139.2	157.4	175.9	223.0
13	166.4	148.0	130.4	101.4
14	132.3	149.3	167.1	211.1
15	156.2	139.1	123.1	95.4
16	123.3	138.8	155.6	195.4
17	89.1	89.3	88.7	88.3
19	126.9	111.8	97.7	75.5
20	100.6	113.5	128.0	164.2
21	112.3	97.6	83.6	63.8
22	86.1	98.6	112.2	146.8
23	90.3	78.0	67.3	52.2
24	67.4	77.2	87.4	114.2
25	79.6	67.8	58.0	44.9
26	59.9	68.5	78.5	105.8
43	197.0	176.6	156.6	122.8
44	154.3	172.0	191.6	240.4
67	82.8	70.6	60.7	46.9
68	63.1	72.8	83.5	111.8
85	236.2	214.6	192.5	153.3
86	199.7	221.7	242.6	294.6
87	283.7	267.6	249.8	215.5
88	255.7	272.7	289.2	321.9
89	133.3	130.1	126.0	119.0
90	127.0	130.8	133.6	139.9
91	128.2	128.4	128.2	127.9
921	118.2	118.0	118.1	117.4

Table CXXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 263 P1	R: 264 P1	R: 265 P1	R: 266 P1
922	300.2	301.5	302.1	296.7
93	204.5	204.4	204.7	202.7
94	290.6	294.1	296.5	297.3
95	138.7	139.7	139.7	141.4
125	92.5	80.1	69.3	54.1
126	74.3	84.6	95.8	126.4
128	63.6	63.3	62.6	62.9
132	94.9	95.8	94.4	94.9
201	417.1	415.6	413.5	401.2
202	549.1	546.7	546.0	532.5
203	637.6	635.6	636.3	620.7
204	692.4	689.8	690.5	674.6
205	687.7	686.5	687.3	672.2
206	633.0	632.8	633.2	618.2
207	562.6	564.0	563.9	551.3
208	507.2	507.9	507.7	497.2
209	517.4	490.9	465.8	407.9
210	603.3	581.6	560.9	508.6
211	672.4	659.7	648.4	610.9
212	658.7	666.2	678.8	686.2
213	580.6	597.4	618.2	646.4
214	477.0	501.1	527.0	571.6
215	114.2	113.2	112.2	109.5
216	250.0	228.0	205.9	164.6
217	210.6	232.3	254.6	305.3
218	300.4	298.2	295.6	286.3
219	112.3	97.8	84.3	64.4
220	87.1	99.5	113.2	147.5
221	79.2	67.7	58.0	45.9
222	59.2	68.1	78.3	105.1
223	79.2	67.9	58.1	44.5
224	59.5	68.2	79.0	105.5
225	71.1	70.9	69.8	68.7
226	192.7	192.4	192.8	191.4
227	231.4	231.6	232.6	230.5
228	284.8	283.8	283.6	279.8

Table CXXXVI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β			
	-2.0°	.0°	2.0°	6.0°
	R: 263 P1	R: 264 P1	R: 265 P1	R: 266 P1
229	387.0	388.4	388.5	381.5
230	153.5	153.7	153.4	152.5
231	325.7	302.2	278.6	230.3
232	443.9	417.4	392.2	336.1
233	386.7	413.4	440.0	491.6
234	275.8	299.3	323.9	375.2
235	138.1	121.0	105.1	74.6
236	156.0	139.6	126.8	106.9
237	151.6	145.4	138.2	126.0
238	146.1	142.8	138.7	132.0
239	139.7	138.8	137.4	136.6
240	100.6	99.8	98.4	95.7
241	108.5	96.4	85.7	69.3
242	15.0	14.2	12.9	15.8
243	48.7	48.4	46.9	45.7
244	64.2	63.7	62.7	63.4
245	64.9	65.2	64.5	65.1
246	122.4	107.4	93.5	73.5
247	118.3	102.1	87.2	63.3
248	84.8	73.1	62.9	49.0
249	63.9	73.5	84.2	111.5
250	67.0	57.8	50.6	46.8
251	46.0	38.9	33.2	26.2
252	404.7	406.3	406.4	399.8

Table CXXXVII: Ames Research Center 8x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 242	R 227	R 228	R 230	R 232	R 233	R 234	R 235	R 236	R 238	R 239	R 241	R 243	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	135.2	135.8	135.9	135.9	135.9	136.2	136.2	136.0	136.3	135.6	136.2	135.5	134.6	
3	226.7	222.0	216.3	206.6	196.1	191.5	186.7	181.1	176.4	166.9	162.6	152.5	132.5	
4	154.2	159.2	163.5	173.1	181.6	187.1	191.8	196.9	201.9	211.9	217.0	228.2	257.0	
5	231.0	225.9	220.3	210.1	199.1	194.5	189.3	183.5	178.8	168.5	164.4	153.6	132.7	
6	153.7	158.3	163.1	172.6	181.5	187.5	192.2	197.5	202.4	212.6	218.4	229.7	260.0	
7	235.2	229.8	223.9	213.0	201.8	197.0	191.6	186.7	181.9	171.5	166.9	156.5	134.8	
8	158.8	163.8	168.1	177.6	186.9	192.4	197.8	203.0	208.5	218.2	224.6	235.8	266.0	
9	210.1	211.0	210.5	211.2	209.8	210.2	210.3	210.0	210.6	209.9	210.3	208.6	206.3	
10	98.7	99.1	98.5	99.1	98.1	98.7	98.8	98.3	98.9	98.4	99.2	98.1	98.4	
11	203.0	197.7	192.4	182.1	171.3	166.3	161.9	156.0	151.8	141.8	137.6	127.9	108.8	
12	129.2	134.1	138.2	146.6	154.9	160.3	165.2	169.9	175.2	184.7	190.1	200.6	229.4	
13	192.0	187.2	181.5	171.4	160.7	156.7	151.9	146.5	142.3	132.9	128.9	119.7	102.0	
14	120.9	125.8	129.5	138.1	146.1	151.6	156.6	161.1	166.7	176.2	181.7	191.8	221.6	
15	187.4	183.4	177.2	168.5	158.5	154.6	150.1	145.4	140.9	132.0	128.4	119.6	102.3	
16	116.1	120.7	124.3	132.4	139.4	144.9	149.0	153.4	158.0	166.3	171.9	181.1	208.2	
17	202.0	203.8	204.7	203.9	201.8	204.2	202.5	203.0	205.1	204.0	203.1	201.3	195.8	
19	136.5	133.5	129.3	121.6	112.8	110.2	105.8	101.5	97.7	90.0	87.7	80.1	68.0	
20	82.4	85.8	89.0	95.2	100.3	105.1	108.2	111.6	115.7	122.6	127.2	134.3	157.3	
21	123.0	120.5	116.8	109.5	101.0	98.8	95.1	91.5	88.2	81.8	79.5	73.2	62.2	
22	72.4	75.3	78.2	84.0	88.6	92.8	95.8	99.2	101.9	109.2	113.3	120.0	141.2	
23	101.7	99.4	96.2	90.0	82.3	80.7	78.0	74.7	71.8	66.2	64.8	59.7	50.8	
24	58.2	61.2	63.5	68.2	71.8	76.1	78.4	80.8	83.4	89.1	92.5	98.7	116.0	
25	93.0	90.9	87.8	82.0	74.7	73.5	70.3	67.2	64.6	59.8	58.0	53.1	45.8	
26	52.2	54.9	57.1	61.9	65.4	69.2	71.7	74.2	76.7	82.1	85.4	90.3	108.5	
43	184.0	180.3	175.8	167.3	157.2	154.2	149.7	145.0	140.8	132.8	128.9	120.6	104.3	
44	116.4	120.6	124.2	131.9	139.1	143.9	148.5	152.7	157.2	166.6	171.6	181.6	211.3	
67	87.2	85.2	81.9	77.0	70.2	68.8	66.1	63.3	61.2	56.5	54.7	50.8	44.0	
68	49.8	52.6	54.2	58.7	61.9	65.4	67.8	70.2	72.8	77.7	80.5	85.6	102.1	
85	262.4	256.6	250.9	238.9	228.0	222.5	217.8	211.2	206.6	195.3	190.9	179.7	156.3	
86	183.1	188.5	193.2	203.4	213.9	219.5	225.6	230.6	236.7	246.9	254.0	265.5	296.7	
87	186.3	184.7	181.3	176.6	169.8	168.4	165.3	161.6	159.3	153.7	151.5	144.9	131.9	
88	144.2	147.9	149.6	155.0	159.5	162.8	165.5	167.7	170.8	176.1	179.0	184.5	198.4	
89	54.8	55.6	54.8	54.8	52.7	54.0	53.5	52.6	52.9	52.1	52.9	51.2	51.0	
90	51.3	52.4	51.9	52.8	52.1	53.8	54.3	53.4	53.9	54.2	55.2	55.0	58.7	
91	51.8	52.4	52.7	52.7	51.6	53.0	53.2	52.6	52.5	52.1	53.2	52.1	52.4	
921	233.2	234.6	234.7	235.5	234.2	235.6	235.1	234.7	235.0	234.9	235.1	233.3	231.4	

Table CXXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 242	R 227	R 228	R 230	R 232	R 233	R 234	R 235	R 236	R 238	R 239	R 241	R 243
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
922	160.7	161.4	162.5	162.8	163.6	162.9	162.6	163.3	163.8	163.4	163.3	162.0	160.6
93	94.6	95.2	95.0	95.4	94.3	95.6	95.4	94.8	95.1	94.9	95.7	94.7	95.2
94	150.9	152.5	153.2	154.0	154.2	155.8	155.6	156.1	156.7	156.9	157.9	157.8	158.9
95	57.3	58.2	58.0	58.7	57.5	59.2	58.8	58.6	58.3	58.3	59.3	58.3	59.4
125	115.0	112.3	108.3	101.4	93.1	91.3	88.1	84.6	81.5	76.1	74.1	68.2	57.4
126	71.2	74.1	76.8	82.4	86.9	91.1	94.4	97.2	100.5	107.4	111.0	118.5	139.9
128	150.5	151.4	151.0	151.5	150.7	151.5	151.3	151.0	150.6	149.4	149.4	147.4	148.0
132	38.2	39.0	38.5	39.6	38.6	40.3	40.3	39.7	39.3	38.8	39.1	38.2	38.6
201	579.0	579.4	580.7	581.1	580.7	578.7	578.2	578.1	578.8	577.5	576.8	575.0	562.4
202	662.8	662.9	664.8	665.4	664.5	662.5	662.1	663.1	663.5	662.5	660.8	659.0	644.9
203	696.9	697.6	699.7	698.5	700.1	697.0	697.5	697.4	696.7	698.1	696.7	693.8	679.9
204	673.3	674.7	675.7	675.0	675.1	673.9	673.9	674.0	674.2	674.6	673.5	670.3	658.3
205	589.5	590.5	591.2	591.2	591.9	591.1	591.2	590.8	591.4	592.4	591.5	587.4	578.5
206	481.0	480.5	482.2	481.6	482.8	481.7	481.7	481.6	482.4	481.6	481.1	478.6	471.2
207	391.6	391.5	392.5	393.3	394.3	393.7	394.3	394.8	395.4	394.9	394.3	392.2	387.3
208	344.3	345.1	346.0	346.7	347.1	347.8	347.9	348.1	348.2	348.3	347.3	345.5	340.7
209	550.6	544.8	537.6	525.7	510.5	505.1	498.8	492.3	486.7	473.5	465.5	450.2	412.8
210	619.6	615.8	609.0	599.7	588.5	582.2	578.4	573.7	567.7	557.0	551.5	537.1	504.1
211	667.6	666.3	664.3	659.1	653.0	648.5	646.5	644.4	640.7	634.5	631.3	621.7	597.1
212	628.2	632.6	637.0	642.6	649.6	652.5	652.8	655.6	658.6	665.6	666.8	669.5	671.9
213	551.0	557.4	563.8	572.4	584.0	589.3	592.4	597.2	602.9	613.8	618.5	625.5	641.6
214	450.9	458.3	466.6	479.4	494.8	500.6	506.7	512.2	520.1	534.2	541.0	552.6	579.6
215	228.5	228.8	229.3	228.6	227.3	227.3	227.0	225.9	226.5	225.5	225.1	223.6	219.1
216	253.2	248.5	242.9	232.3	221.1	216.1	210.8	205.9	200.8	190.5	185.5	175.0	152.2
217	176.2	181.6	186.1	195.6	205.4	210.7	216.6	221.4	227.6	237.3	244.3	255.6	285.1
218	161.4	162.2	161.7	161.3	160.4	159.9	160.2	159.3	159.7	159.0	159.0	156.8	154.1
219	119.7	116.7	112.9	105.9	98.1	95.5	92.4	88.6	86.1	79.9	77.7	71.6	60.7
220	71.7	74.8	77.3	82.7	87.7	91.1	94.2	97.2	101.1	107.3	111.4	118.0	138.4
221	86.2	84.2	80.8	75.4	69.3	67.2	65.0	62.1	60.2	55.7	55.0	50.3	44.6
222	48.5	50.8	52.5	56.7	60.2	63.2	65.6	67.7	70.6	75.4	78.6	83.7	100.1
223	81.4	79.6	76.4	71.3	65.5	63.7	61.5	58.6	57.0	52.9	52.1	47.6	42.4
224	45.6	48.4	49.9	53.9	57.0	60.2	62.1	63.9	66.7	71.0	74.4	79.0	95.0
225	156.9	158.0	158.4	158.4	157.6	159.0	158.7	158.2	158.0	156.8	157.9	155.8	154.4
226	341.7	342.9	344.2	344.8	344.7	343.8	343.9	343.7	344.3	344.0	344.2	342.8	337.7
227	392.8	393.6	394.8	395.6	394.6	393.7	393.8	394.4	393.9	394.7	394.0	393.4	387.5
228	466.8	467.9	469.4	470.7	469.7	468.8	468.7	468.9	469.1	469.0	467.9	466.3	457.1

Table CXXXVII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf, Side Probes

Ori- fice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 242	R 227	R 228	R 230	R 232	R 233	R 234	R 235	R 236	R 238	R 239	R 241	R 243
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	226.4	226.9	227.9	228.4	229.1	228.9	229.0	229.0	229.0	229.0	228.8	227.5	225.2
230	65.0	66.3	66.3	66.4	65.4	66.6	66.5	66.1	66.3	65.8	66.9	65.7	66.4
231	370.6	365.0	359.4	345.8	332.6	327.0	320.8	315.1	308.7	296.4	289.8	276.4	245.9
232	489.6	483.3	476.7	463.9	451.1	441.7	434.9	427.6	421.3	407.2	399.9	383.9	347.2
233	372.3	379.5	387.4	402.1	416.8	423.6	430.7	436.6	443.9	460.0	467.2	480.5	511.8
234	273.0	278.8	285.7	298.3	310.7	316.8	322.7	329.7	334.8	348.3	355.1	367.7	399.8
235	115.9	114.1	110.7	104.2	97.3	95.5	92.4	89.0	86.2	80.6	79.0	73.1	63.3
236	94.3	93.5	91.7	88.1	83.3	82.9	80.8	79.0	77.2	72.2	71.6	67.7	61.0
237	67.0	67.6	67.2	66.5	63.8	64.9	63.8	63.1	62.2	60.7	60.9	58.8	56.9
238	62.4	63.0	62.7	62.6	60.6	61.7	61.4	60.6	60.1	59.4	59.6	58.0	56.9
239	58.1	59.0	58.7	59.0	57.7	59.2	58.8	58.5	58.1	57.9	58.6	57.4	57.6
240	38.2	38.8	38.7	39.0	39.1	40.5	40.4	40.0	39.8	39.9	39.9	38.8	38.2
241	53.5	52.9	51.7	49.8	46.7	47.3	45.9	44.9	44.5	44.0	43.8	41.8	40.3
242	28.8	28.7	27.8	26.7	25.0	26.1	26.0	25.8	25.8	26.2	27.0	27.8	33.2
243	114.7	116.1	117.5	118.6	118.1	119.2	119.3	119.0	118.7	118.2	117.7	115.9	111.5
244	149.6	150.8	150.8	151.8	150.9	151.9	152.1	151.6	151.4	150.3	150.0	148.8	147.3
245	151.1	151.9	152.0	152.9	151.9	152.6	152.4	151.7	151.8	152.0	151.7	150.5	148.1
246	159.2	155.8	151.5	143.6	134.1	130.7	126.7	121.9	118.0	110.1	106.6	98.5	84.1
247	120.6	117.7	113.9	108.8	99.5	97.0	93.9	90.1	87.1	81.4	79.1	73.2	62.3
248	105.9	103.2	99.5	92.6	85.4	82.9	80.0	76.6	73.9	68.0	66.0	60.5	51.4
249	60.2	62.9	65.1	70.5	75.0	78.6	81.4	84.1	87.4	93.3	97.4	103.9	123.2
250	94.9	91.9	87.8	80.8	73.7	71.4	67.7	63.3	59.7	52.5	50.2	42.8	33.4
251	52.5	51.4	49.2	45.7	41.3	40.7	39.5	38.0	37.4	35.1	34.9	32.8	30.6
252	245.4	246.2	247.0	247.7	247.9	248.0	248.2	248.3	248.3	248.8	248.1	247.2	244.6

Table CXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Inverted, Pressures in psf, Side Probes

Orifice ID	-6.0°		-4.0°		-3.0°		-2.0°		-1.0°		-0.5°		Nominal β		.5°		1.0°		2.0°		3.0°		4.0°		6.0°	
	R 21	R 16	R 19	R 13	R 11	R 10	R 9	R 8	R 7	R 5	R 3	R 2	R 22													
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi													
2	135.3	223.2	212.2	206.3	196.0	191.4	186.4	180.7	176.8	168.2	159.5	154.9	134.3													
3	150.8	157.0	166.6	171.1	180.9	184.8	191.1	195.8	201.1	210.9	222.1	227.4	255.8													
4	231.5	227.4	216.3	209.8	199.3	194.3	188.8	182.7	178.1	169.5	160.7	155.6	134.3													
5	151.8	156.1	165.9	170.7	180.1	184.9	191.5	195.5	200.7	211.9	222.9	228.8	258.4													
6	233.2	230.0	217.5	211.5	200.7	195.3	190.4	185.0	179.8	170.9	162.2	157.4	136.3													
7	189.4	159.8	169.5	174.7	184.3	189.6	195.3	200.1	205.4	216.3	229.0	234.5	284.1													
8	205.7	207.6	207.4	207.8	207.0	207.3	207.7	207.4	207.1	207.1	206.9	206.7	205.2													
9	98.5	98.8	98.3	98.3	98.1	98.0	98.5	98.1	98.0	98.4	98.9	98.8	98.8													
10	125.0	197.8	186.1	181.0	170.5	165.4	161.1	155.6	150.6	142.2	133.8	129.6	109.9													
11	204.1	130.4	139.0	144.1	152.8	157.5	163.1	167.5	172.6	183.4	193.6	199.2	227.0													
12	117.2	187.2	175.2	170.8	160.3	155.3	151.1	145.8	141.5	133.5	125.5	121.4	103.3													
13	195.3	122.1	130.6	135.6	144.2	148.8	154.5	158.8	163.7	174.8	184.8	190.5	218.4													
14	117.1	183.1	172.4	168.1	158.5	153.3	149.3	144.4	140.3	132.5	125.0	121.2	103.1													
15	184.0	117.0	125.1	129.6	137.5	141.6	146.7	150.7	155.3	165.2	174.3	179.6	205.3													
16	199.0	201.2	201.4	201.0	199.1	197.9	201.6	198.8	201.9	201.7	201.2	200.4	195.7													
17	78.8	131.9	123.4	119.8	111.7	107.8	104.5	100.3	97.2	91.1	85.0	81.6	68.8													
19	136.3	83.0	89.1	92.5	99.0	101.9	106.5	109.4	113.3	121.4	129.3	133.1	154.3													
20	72.0	119.9	112.4	109.0	101.6	98.2	95.3	91.3	89.0	83.1	77.7	74.8	62.5													
21	122.3	73.0	78.2	81.2	86.9	89.7	93.8	96.2	100.2	107.6	115.1	119.3	139.6													
22	58.1	99.0	92.5	89.4	83.2	80.2	78.1	74.3	72.0	67.4	63.1	60.4	51.0													
23	100.2	59.2	63.4	65.8	70.3	72.7	76.3	78.1	81.3	87.8	94.4	97.4	114.8													
24	51.9	90.6	84.4	81.8	75.8	72.8	70.9	67.3	65.1	60.9	56.7	54.4	45.9													
25	92.1	53.3	57.2	59.6	63.5	65.6	68.9	70.9	73.9	80.2	86.4	89.7	106.7													
26	118.6	180.2	171.1	166.5	157.4	152.8	149.1	144.1	140.2	133.4	126.1	122.3	105.6													
43	185.5	117.8	126.0	130.0	137.6	141.7	146.7	150.8	155.7	165.3	175.4	180.8	208.7													
44	49.4	84.9	79.4	76.5	71.3	68.5	66.6	63.2	61.5	57.8	53.9	51.7	44.2													
67	87.2	51.1	54.6	56.7	60.2	62.4	65.6	67.2	70.0	76.0	81.8	84.7	100.6													
68	176.4	258.3	245.2	239.2	228.3	222.6	217.6	210.9	205.5	195.9	186.2	181.4	159.3													
85	269.7	185.3	196.0	202.2	212.2	217.6	223.5	229.1	234.7	247.4	258.8	263.8	295.0													
86	144.5	185.4	179.6	176.8	170.9	168.2	166.4	162.2	160.5	155.7	149.2	146.0	132.6													
87	187.4	145.8	152.0	155.0	160.3	163.0	165.9	167.9	170.9	176.4	181.7	185.0	198.8													
88	50.8	54.4	54.1	53.9	53.2	52.8	53.1	52.1	52.2	52.3	52.0	51.3	50.2													
89	54.9	50.7	51.4	51.8	52.2	52.2	53.2	52.7	53.1	54.5	54.7	54.8	57.9													
90	51.4	51.4	51.5	51.8	51.6	51.8	52.4	51.6	51.6	52.2	52.1	51.9	51.8													
91	230.7	233.1	233.6	233.6	233.5	233.5	234.2	233.3	232.1	233.7	232.9	231.8	230.9													
921																										

Table CXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 21	R: 16	R: 19	R: 13	R: 11	R: 10	R: 9	R: 8	R: 7	R: 5	R: 3	R: 2	R: 22	
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	182.7	163.2	163.6	163.4	163.1	164.4	164.0	163.8	163.1	163.8	162.3	162.5	162.0	
93	94.4	94.7	94.6	94.5	94.0	94.0	94.6	93.9	94.1	95.0	95.1	94.7	94.7	
94	158.9	153.5	154.2	154.7	155.0	155.9	156.1	156.2	157.1	158.0	159.0	158.2	160.6	
95	58.0	57.2	57.5	57.5	57.6	57.5	58.0	57.4	57.7	58.4	58.5	58.3	58.9	
125	65.9	111.3	104.1	100.1	93.1	89.7	87.1	83.5	81.1	76.1	71.0	68.4	57.2	
126	120.1	71.8	76.8	79.3	84.9	88.1	91.9	94.5	97.9	105.7	113.2	116.6	138.9	
128	146.7	148.3	148.5	149.2	148.3	148.7	149.2	148.5	148.5	149.0	148.0	147.5	145.8	
132	38.8	38.9	39.3	39.4	39.7	39.9	40.9	40.0	39.8	40.0	39.7	39.2	39.1	
201	569.5	576.6	577.3	578.3	577.9	578.0	577.6	577.6	576.0	574.4	572.0	571.1	564.3	
202	653.9	660.3	662.6	663.5	662.5	661.3	662.4	661.7	659.0	659.0	656.1	655.1	646.5	
203	691.2	695.1	696.5	698.1	697.3	696.6	697.1	697.0	694.3	694.9	693.6	692.4	682.8	
204	667.6	671.5	672.4	674.5	674.6	673.4	674.8	673.7	671.7	672.2	670.2	669.0	658.6	
205	586.8	588.1	589.5	591.5	592.4	591.1	591.6	591.0	589.9	590.1	588.1	587.3	580.1	
206	478.4	481.4	482.8	482.7	483.2	483.2	483.1	482.6	481.7	481.3	479.5	478.8	473.0	
207	393.9	393.2	394.6	395.4	394.8	395.0	395.1	395.3	394.9	395.7	394.2	393.7	390.4	
208	347.1	346.6	347.5	348.4	348.2	348.1	348.3	348.4	347.9	348.5	346.7	346.5	343.7	
209	443.9	544.0	531.7	526.0	510.9	505.4	498.5	491.5	484.0	471.1	456.7	450.3	415.6	
210	531.3	612.8	604.8	600.0	587.2	583.2	577.5	571.8	565.4	555.1	542.8	536.7	505.1	
211	617.1	663.2	660.2	658.2	651.2	648.8	645.5	642.2	638.3	632.6	624.6	620.0	598.7	
212	669.6	628.6	636.2	641.3	647.1	649.3	652.4	654.3	656.2	661.8	664.8	667.3	672.6	
213	627.4	552.6	565.2	571.0	581.7	586.9	591.1	596.1	600.1	610.6	618.4	623.1	642.0	
214	555.5	454.8	469.7	477.4	490.8	499.0	504.9	512.0	517.4	530.8	542.6	549.3	578.5	
215	220.6	227.8	227.1	227.3	226.6	226.2	226.0	224.3	223.9	224.4	222.8	222.0	219.1	
216	172.4	250.4	237.6	232.6	221.8	216.3	211.4	205.7	199.8	191.5	182.3	177.1	155.1	
217	259.6	178.9	188.7	194.1	204.3	210.0	215.5	220.7	225.3	237.3	249.3	254.1	284.5	
218	157.9	163.1	162.4	161.7	161.1	160.6	161.4	159.7	159.9	159.8	158.8	158.5	155.6	
219	69.8	116.6	108.7	105.2	98.1	95.1	92.4	88.6	85.9	80.6	75.5	72.7	60.7	
220	120.7	71.9	76.8	79.7	85.3	88.5	92.6	94.9	98.3	105.9	113.3	117.3	137.7	
221	49.4	83.7	77.9	75.2	69.9	67.4	65.5	62.2	60.5	57.0	53.4	51.2	45.0	
222	84.6	49.1	52.7	54.3	58.1	60.2	63.1	64.7	67.5	73.5	79.1	81.8	97.8	
223	46.6	79.0	73.9	71.2	66.3	63.7	61.8	58.7	57.1	53.7	50.1	48.3	42.3	
224	79.8	46.7	50.1	51.8	55.2	56.9	59.5	61.0	63.8	69.3	74.6	77.3	92.9	
225	154.7	156.2	156.2	156.2	156.7	156.2	157.2	155.8	155.9	156.8	155.3	155.6	155.0	
226	340.8	340.5	342.3	343.4	342.1	343.0	342.3	343.1	342.5	342.4	340.7	340.9	338.3	
227	390.5	391.6	393.2	393.3	392.8	393.7	392.3	392.9	392.6	392.0	390.2	390.7	389.0	
228	461.5	464.4	466.4	466.6	466.1	467.4	466.8	466.4	466.0	464.7	462.0	462.9	459.3	

Table CXXXVIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Inverted, Pressures in psf, Side Probes

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 21 Pi	R: 16 Pi	R: 19 Pi	R: 13 Pi	R: 11 Pi	R: 10 Pi	R: 9 Pi	R: 8 Pi	R: 7 Pi	R: 5 Pi	R: 3 Pi	R: 2 Pi	R: 22 Pi	
229	228.3	228.6	229.8	230.1	229.0	230.3	230.0	230.0	229.4	229.9	228.0	228.2	227.4	
230	65.4	65.2	65.5	65.6	65.4	65.4	66.0	65.1	65.3	66.0	65.9	65.8	66.2	
231	270.2	364.0	350.6	343.7	330.1	324.8	318.1	312.0	305.3	293.9	280.7	275.1	247.7	
232	378.4	483.0	470.3	462.9	448.3	442.2	434.8	427.7	420.2	406.7	391.6	384.0	350.4	
233	483.7	376.1	391.8	399.4	413.6	422.1	429.3	436.2	442.9	456.8	469.1	477.1	510.5	
234	372.0	275.8	289.5	295.9	308.1	314.5	321.9	327.9	334.0	346.7	357.8	365.0	399.3	
235	71.6	113.7	107.1	103.6	97.2	94.2	92.0	88.6	86.2	81.8	76.7	74.0	63.3	
236	66.9	93.3	89.6	87.2	83.7	81.8	80.8	78.6	76.8	73.0	70.4	68.6	60.9	
237	58.5	66.9	66.5	65.5	64.3	63.7	63.5	62.0	61.8	61.5	60.4	59.2	56.5	
238	57.8	62.2	61.9	61.4	60.9	60.5	60.5	59.5	59.4	59.5	59.1	58.5	56.8	
239	57.2	57.6	58.0	57.7	57.7	57.6	58.0	57.1	57.2	57.9	57.8	57.4	57.3	
240	38.0	38.2	38.3	38.0	38.9	39.2	39.7	38.8	39.3	39.9	40.0	39.2	38.0	
241	41.3	52.1	49.9	49.1	47.4	46.5	46.2	44.6	44.4	44.0	42.9	42.1	40.2	
242	27.4	27.5	26.0	25.1	24.4	24.1	24.8	23.9	24.2	25.3	26.5	27.0	31.9	
243	112.6	113.8	115.8	115.9	115.8	115.7	116.7	115.3	115.5	116.3	115.3	114.1	109.4	
244	148.0	148.5	149.7	149.6	150.2	149.9	150.3	149.6	150.2	150.2	148.8	149.1	148.6	
245	149.7	150.3	150.8	150.3	150.3	149.9	150.7	150.1	150.1	150.4	150.4	150.5	148.8	
246	96.0	156.6	147.7	142.6	133.7	130.2	126.0	120.6	116.9	110.4	103.3	99.4	84.5	
247	71.5	116.4	109.3	106.0	99.3	96.1	93.4	90.0	87.0	82.4	76.9	74.2	62.6	
248	58.9	102.5	95.5	92.2	85.8	82.8	80.2	76.7	73.8	69.1	64.4	61.5	51.0	
249	105.5	60.8	65.3	67.7	72.6	75.3	79.1	81.4	84.4	91.5	98.8	102.2	121.8	
250	41.4	91.5	84.4	80.8	74.8	71.7	69.0	64.2	60.6	54.1	47.8	44.3	34.3	
251	32.1	51.5	47.8	45.9	42.4	41.0	40.2	38.2	37.1	35.5	34.1	33.2	30.3	
252	248.4	247.8	249.2	249.4	248.8	249.3	248.9	249.6	249.1	249.1	248.0	248.0	246.5	

Table CXXXIX: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Roll = 90° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 167 Pi	R 159 Pi	R 161 Pi	R 163 Pi	R 165 Pi	R 168 Pi	R 169 Pi	R 170 Pi	R 171 Pi
2	133.8	132.9	133.9	133.6	133.7	134.1	134.2	134.0	133.4
3	211.8	206.1	197.8	189.0	180.5	168.1	165.0	156.2	141.1
4	171.2	173.7	182.6	191.2	200.8	215.3	220.5	229.8	250.0
5	215.9	210.5	201.1	192.2	183.2	170.3	167.0	158.2	142.1
6	171.2	174.1	183.5	192.4	201.7	216.8	222.0	231.9	253.0
7	218.6	213.5	204.8	194.7	186.3	173.4	169.6	160.7	144.9
8	176.1	179.5	189.5	198.1	207.8	222.8	228.4	238.4	259.7
9	210.5	210.3	211.7	210.8	211.2	211.4	211.4	210.6	209.2
10	97.3	95.8	97.1	96.4	97.2	97.1	98.0	97.3	96.7
11	187.5	182.2	174.2	164.5	156.5	143.9	140.5	132.2	117.5
12	146.1	148.5	158.1	166.0	175.2	189.1	194.6	203.8	223.4
13	177.3	171.7	164.2	154.6	146.7	135.0	132.0	124.1	110.3
14	137.5	140.1	149.8	157.6	166.5	181.0	186.5	195.9	215.4
15	173.4	168.3	161.4	152.2	144.8	134.3	131.3	123.7	110.0
16	131.7	133.7	142.5	149.4	157.5	171.0	176.2	184.4	202.9
17	204.3	203.4	203.4	202.8	205.1	204.7	204.2	202.3	198.3
19	125.0	120.1	114.0	106.5	100.3	92.2	90.1	84.0	74.2
20	95.0	96.6	103.6	108.7	115.2	126.2	130.5	137.3	152.3
21	113.5	109.5	104.7	97.8	92.0	84.7	82.8	77.4	68.0
22	83.4	85.1	91.6	96.3	102.2	112.4	116.8	123.4	137.1
23	94.5	91.0	86.7	80.5	75.7	69.8	68.5	63.7	55.2
24	69.8	70.1	75.7	79.3	84.4	93.2	96.7	102.4	113.6
25	66.8	63.3	79.3	73.3	68.8	63.0	61.9	57.4	50.3
26	62.6	63.5	68.9	72.3	77.1	85.6	89.1	94.1	105.7
43	171.5	166.3	159.6	151.1	144.2	134.1	131.4	124.1	111.0
44	130.9	132.7	141.2	147.9	156.8	170.1	175.5	184.1	203.9
67	81.0	77.8	74.1	68.8	64.8	59.5	58.7	54.5	47.3
68	59.1	60.3	65.0	68.5	73.0	80.7	84.0	89.1	99.4
85	244.5	239.2	230.1	219.6	210.9	196.8	192.4	183.2	166.7
86	202.2	205.2	215.8	225.2	235.6	251.4	257.2	267.5	290.1
87	177.3	173.3	169.6	164.2	159.7	152.7	150.6	145.5	136.5
88	152.5	152.9	158.9	163.0	167.9	175.4	178.3	182.6	192.1
89	53.3	52.2	52.6	51.7	51.7	51.4	52.3	50.7	49.7
90	51.2	50.9	52.0	51.8	52.4	53.6	54.5	54.2	56.1
91	51.4	50.1	51.4	51.0	51.2	51.3	51.8	51.4	50.5
921	236.1	235.9	236.7	236.3	235.6	236.1	236.3	235.4	234.3

Table CXXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°	4.0°	6.0°
	R 167 Pi	R 159 Pi	R 161 Pi	R 163 Pi	R 165 Pi	R 168 Pi	R 169 Pi	R 170 Pi	R 171 Pi
922	160.8	160.1	159.8	160.6	160.6	160.0	159.9	159.1	160.1
93	93.6	92.7	93.6	93.0	93.3	93.7	94.3	93.6	93.2
94	152.0	150.6	152.5	152.7	153.3	154.6	155.5	155.9	156.7
95	56.9	56.1	57.2	56.6	56.8	57.7	58.4	57.9	57.4
125	105.4	102.0	96.6	90.2	85.1	78.5	77.2	72.1	63.1
126	82.2	83.8	90.0	95.1	100.8	110.6	114.7	121.4	135.9
128	149.5	149.5	151.0	150.0	149.9	149.5	149.9	148.3	146.5
132	38.4	37.8	39.1	39.0	38.6	38.9	39.3	38.3	37.0
201	583.2	583.2	584.5	584.3	582.4	581.9	580.4	578.2	572.9
202	666.9	667.5	667.6	666.9	666.2	665.4	664.6	661.6	655.9
203	700.2	699.8	701.0	700.3	699.8	697.9	697.8	695.0	689.3
204	675.7	673.7	675.6	674.1	673.9	672.6	671.7	669.6	664.0
205	589.8	589.1	589.1	588.9	589.8	588.2	588.4	586.7	582.8
206	479.7	479.2	479.0	478.4	478.9	477.5	476.9	475.0	472.5
207	391.0	389.9	390.1	390.6	391.1	390.2	389.8	389.5	388.4
208	344.3	342.6	343.5	343.9	344.3	343.7	343.3	342.7	341.2
209	529.4	523.0	512.7	501.1	490.1	471.8	465.6	451.8	428.1
210	601.7	596.3	588.6	578.8	569.9	555.2	549.6	539.1	517.7
211	660.6	656.0	652.5	646.4	641.8	632.4	628.8	621.9	608.1
212	639.6	641.3	648.4	652.6	658.0	664.2	665.9	668.3	674.9
213	570.0	573.6	583.3	592.5	601.6	614.2	618.1	625.5	640.2
214	476.4	481.3	494.0	506.3	518.7	535.8	541.7	552.4	574.1
215	229.2	228.9	229.7	228.2	227.4	227.0	226.3	225.0	222.3
216	236.7	231.4	222.6	212.8	204.3	191.3	187.1	178.0	162.3
217	193.4	197.1	207.4	216.0	226.2	241.2	246.7	256.9	278.3
218	159.6	157.8	158.4	157.3	157.4	156.6	156.2	155.2	153.2
219	109.7	106.0	101.1	94.5	89.7	82.1	80.1	75.1	66.1
220	82.0	83.7	90.1	94.6	100.8	110.4	113.9	120.3	134.3
221	79.7	76.5	73.1	67.9	64.4	58.8	57.6	53.6	47.9
222	57.3	58.3	63.4	66.6	71.6	79.2	82.2	87.0	98.2
223	75.6	72.5	69.3	64.0	60.5	55.6	54.7	50.8	45.2
224	54.7	55.4	60.2	62.8	67.1	74.5	77.7	82.0	92.3
225	157.8	157.5	159.1	157.9	157.8	157.8	158.2	157.3	155.6
226	344.6	345.5	346.7	347.0	347.2	346.5	346.4	344.9	343.9
227	396.3	396.9	396.0	398.5	398.0	397.3	397.5	396.1	395.6
228	471.3	472.4	472.6	473.2	473.7	471.0	471.7	469.5	466.8

Table CXXXIX: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$ Roll = 90° , Pressures in psf, Side Probes

Orifice ID	Nominal β								
	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 167 Pi	R 159 Pi	R 161 Pi	R 163 Pi	R 165 Pi	R 168 Pi	R 169 Pi	R 170 Pi	R 171 Pi
229	226.1	224.8	225.3	225.9	226.1	225.2	224.9	224.6	225.3
230	64.6	63.7	64.9	64.0	64.2	65.0	65.5	64.9	64.4
231	351.4	345.6	334.9	323.4	313.1	295.9	290.4	279.5	259.8
232	469.0	462.4	450.0	438.1	426.3	406.7	400.2	387.2	363.2
233	398.3	404.3	416.7	430.3	443.7	462.8	468.6	480.7	505.8
234	295.7	300.8	311.9	323.6	335.8	351.8	357.6	369.2	393.6
235	107.1	103.3	98.9	93.1	88.3	82.0	80.5	75.8	67.6
236	88.2	85.8	83.7	80.1	77.2	73.4	72.1	68.6	63.5
237	65.1	63.8	64.1	62.0	61.1	60.3	60.5	59.1	58.5
238	60.7	59.7	60.5	59.0	58.7	58.6	59.1	57.9	56.2
239	57.3	56.3	57.6	56.6	56.7	57.2	57.8	57.1	56.0
240	37.9	37.0	39.0	38.8	38.9	39.8	40.3	39.0	36.8
241	49.6	48.0	47.6	45.0	43.8	43.5	43.3	42.6	40.0
242	26.7	25.8	26.5	25.2	25.6	26.9	28.0	28.7	30.9
243	115.2	115.2	116.3	115.3	115.4	116.0	116.2	114.3	109.4
244	150.3	150.3	151.6	150.6	151.0	150.6	151.0	149.7	148.2
245	151.8	151.5	152.7	152.0	152.0	152.2	152.7	151.4	149.8
246	148.1	144.1	136.9	129.0	122.0	112.3	110.0	103.3	91.1
247	110.0	106.8	101.8	95.7	90.7	83.5	81.3	76.3	67.7
248	96.9	94.0	89.2	83.1	78.7	71.6	69.5	64.4	56.3
249	71.0	72.8	78.5	82.7	88.7	97.8	101.1	107.3	121.1
250	66.6	62.9	78.4	71.9	65.8	56.6	54.1	48.2	38.0
251	49.1	47.3	45.2	42.0	39.9	37.1	37.0	35.0	32.1
252	245.1	244.4	244.5	245.3	245.9	244.9	244.8	244.1	244.7

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R 98	R 100	R 99	R 97	R 95	R 93	R 91	R 89	R 88
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	135.7	134.8	133.4	135.6	135.9	135.9	136.1	135.6	135.3
3	176.0	226.0	216.4	206.2	197.3	188.5	180.1	172.1	167.4
4	208.9	161.8	171.1	177.6	187.2	195.2	204.4	214.6	218.1
5	178.0	229.6	221.2	209.4	200.4	191.4	182.2	173.7	169.5
6	210.9	161.2	169.9	177.7	187.2	195.6	205.8	215.6	220.0
7	181.1	233.1	221.5	213.2	203.5	194.1	185.8	176.5	173.0
8	216.1	165.9	172.9	183.5	192.0	201.8	211.2	220.8	226.0
9	211.4	209.9	209.6	211.3	211.0	211.2	211.3	211.1	211.7
10	98.6	98.6	97.6	96.5	98.8	99.0	98.8	98.3	98.1
11	152.0	201.3	191.7	182.4	173.1	164.7	156.0	147.7	143.9
12	182.0	135.5	142.8	151.8	160.0	168.8	177.7	186.3	190.7
13	142.8	191.8	181.7	172.2	163.0	155.0	146.8	138.6	135.1
14	173.6	127.7	134.9	143.0	151.4	159.9	168.8	177.8	182.4
15	141.3	187.1	178.3	169.1	160.6	153.0	144.8	137.4	133.7
16	163.9	122.2	128.9	136.4	144.3	151.9	160.3	168.1	172.2
17	204.5	204.1	204.3	203.7	202.1	202.8	201.4	204.0	204.9
19	98.4	136.3	128.8	121.0	114.2	107.8	101.2	95.2	92.4
20	120.1	88.1	93.2	98.4	104.7	110.7	117.3	123.6	127.2
21	90.1	124.8	117.6	110.5	104.3	98.6	92.8	87.5	85.0
22	108.4	77.8	82.4	87.3	93.4	99.5	105.3	111.4	114.6
23	73.6	103.1	97.0	90.7	85.7	80.8	75.9	71.3	69.1
24	88.3	63.3	67.5	71.5	76.4	81.2	86.2	90.8	93.3
25	67.5	96.0	90.3	84.3	79.3	74.2	69.7	65.2	62.9
26	81.0	57.3	61.2	65.1	69.7	74.1	78.5	83.5	85.8
43	140.8	183.9	176.0	166.9	159.3	151.5	144.0	137.0	133.8
44	163.5	122.2	129.4	135.8	143.4	151.0	159.1	168.4	172.2
67	63.8	89.2	84.6	78.8	74.2	70.2	65.6	62.0	59.9
68	76.6	54.7	58.6	61.6	66.1	70.3	74.5	78.9	80.9
85	205.3	259.0	249.1	238.2	228.4	219.1	209.5	200.3	196.2
86	244.0	190.0	199.2	209.2	218.6	228.4	238.9	248.7	253.6
87	157.9	185.3	179.6	174.6	170.0	165.3	160.6	155.4	152.5
88	174.0	148.4	152.1	157.1	162.2	166.8	171.4	175.9	177.5
89	53.0	55.6	54.3	54.5	54.5	54.2	53.7	52.6	52.2
90	54.6	52.4	52.2	52.9	54.2	54.4	54.6	54.7	54.4
91	52.9	52.7	52.3	52.7	53.5	53.3	53.1	52.4	52.3
921	236.3	236.1	236.8	236.1	236.7	236.5	236.2	236.3	237.4

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	.0°	1.0°	2.0°	3.0°
	R 98 Pi	R 100 Pi	R 99 Pi	R 97 Pi	R 95 Pi	R 93 Pi	R 91 Pi	R 89 Pi	R 88 Pi
922	162.2	162.0	162.6	162.9	161.6	162.2	163.3	162.4	160.6
93	95.4	95.4	95.3	95.0	95.5	95.5	95.4	95.1	94.9
94	156.6	152.7	153.4	154.2	155.2	155.6	156.6	156.4	156.0
95	58.6	58.3	58.2	58.3	59.3	59.0	59.1	58.4	58.0
125	83.3	116.2	109.0	102.2	96.8	91.3	85.9	80.8	78.6
126	106.4	77.1	81.9	86.4	92.5	97.6	103.4	109.0	112.5
128	149.0	149.1	149.8	149.4	150.3	149.4	149.4	148.7	148.7
132	40.2	39.4	39.6	40.1	41.0	41.1	40.4	39.7	39.3
201	580.5	578.6	579.4	580.1	580.2	581.0	580.7	579.3	580.2
202	663.9	663.1	664.1	665.7	665.0	664.8	665.1	663.6	664.5
203	699.3	697.2	697.2	699.6	698.5	699.6	699.5	698.4	698.6
204	675.5	672.0	672.2	674.6	674.8	674.5	675.1	673.4	673.6
205	590.0	588.6	587.2	589.7	590.6	591.0	590.3	589.5	589.6
206	480.2	479.5	479.2	480.4	480.1	481.4	480.9	479.5	477.9
207	393.0	390.7	391.0	392.8	392.0	392.2	393.2	392.0	391.3
208	346.2	344.7	344.2	345.8	345.0	345.8	347.0	346.1	344.9
209	482.2	544.9	531.7	522.0	509.8	498.9	487.7	474.7	470.1
210	564.6	614.1	604.5	597.0	586.9	577.2	567.9	558.7	553.8
211	638.3	665.8	660.1	656.3	652.4	646.4	641.8	635.2	632.2
212	662.0	632.2	635.8	643.6	648.2	654.3	658.3	663.2	665.1
213	607.5	557.3	565.6	576.2	585.2	595.0	603.3	611.3	615.5
214	526.4	459.1	471.4	484.7	496.7	509.3	520.8	531.9	537.8
215	226.8	229.0	227.6	228.8	228.1	228.0	227.8	226.6	227.4
216	199.3	251.3	239.8	231.2	221.5	212.2	204.1	194.7	191.0
217	234.3	183.5	190.3	200.7	209.6	219.2	229.4	236.6	243.5
218	159.1	161.5	160.6	160.9	160.5	160.0	159.6	158.2	157.3
219	87.8	120.5	112.6	107.1	101.3	95.9	90.2	84.6	82.6
220	106.4	76.5	80.2	86.2	92.0	97.7	103.7	109.4	112.5
221	62.9	88.5	82.0	77.6	73.2	69.2	64.9	60.5	59.1
222	74.0	52.7	55.3	59.4	63.6	67.9	72.0	76.2	78.9
223	58.9	83.1	77.7	73.0	69.3	65.3	61.3	57.3	56.0
224	70.2	50.1	52.7	56.2	60.3	64.2	68.1	72.5	74.7
225	157.9	157.8	158.0	157.9	158.6	158.6	158.5	157.5	158.4
226	346.3	344.2	343.5	344.9	345.1	345.6	346.1	345.9	347.0
227	396.4	394.1	394.1	395.5	395.3	395.8	396.7	396.7	397.5
228	469.7	467.9	468.0	469.1	470.0	469.4	470.2	470.5	470.7

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model(continued)
 Nominal Conditions: $\alpha = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Roll = 270° , Pressures in psf, Side Probes

Ori- fice ID	Nominal β								
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$.0^\circ$	1.0°	2.0°	3.0°
	R 98 Pi	R 100 Pi	R 99 Pi	R 97 Pi	R 95 Pi	R 93 Pi	R 91 Pi	R 89 Pi	R 88 Pi
229	228.3	227.5	228.2	228.2	227.6	227.7	229.0	227.5	226.8
230	66.5	66.4	66.1	66.3	66.9	66.7	66.6	66.4	66.2
231	305.5	367.1	355.3	343.9	331.6	320.9	311.1	299.7	294.5
232	417.4	484.2	471.6	459.0	446.4	434.6	423.4	411.7	404.5
233	451.7	380.7	393.2	406.2	419.1	432.1	445.7	459.0	463.8
234	342.8	281.3	291.7	303.3	314.0	325.4	337.3	348.8	352.8
235	87.2	116.6	110.6	104.5	99.3	94.5	89.4	84.6	82.5
236	77.6	95.1	91.3	87.6	85.1	82.0	79.2	75.7	73.8
237	62.5	67.7	66.7	65.8	65.2	64.2	63.4	61.8	61.0
238	60.2	62.9	62.4	61.8	62.0	61.3	60.8	59.6	59.4
239	58.7	58.7	58.8	58.4	59.1	58.9	58.9	58.2	58.1
240	40.7	39.3	39.2	39.0	40.6	40.9	40.9	40.7	40.5
241	45.6	54.3	51.9	49.6	48.7	47.4	46.2	44.6	43.8
242	25.6	28.1	26.7	25.5	25.7	25.5	25.5	25.9	26.4
243	113.2	112.3	113.9	113.2	113.9	113.4	113.3	113.1	114.0
244	149.9	149.5	150.3	150.1	150.5	150.3	150.2	150.0	150.4
245	151.9	151.4	152.8	151.6	152.2	152.0	152.1	151.8	152.3
246	118.5	160.6	153.4	143.8	136.4	129.1	121.8	115.0	112.1
247	88.8	120.3	111.4	107.4	102.2	96.5	91.2	86.0	83.8
248	75.5	106.6	98.3	93.6	88.5	83.2	77.9	73.0	70.7
249	92.0	65.0	67.2	74.0	79.3	84.2	89.8	95.1	97.7
250	63.2	95.7	88.2	83.0	78.7	72.9	66.6	59.1	56.5
251	38.4	53.6	48.9	47.0	44.3	41.7	39.8	37.6	36.7
252	247.9	246.7	246.7	247.6	246.8	247.0	248.8	247.8	246.4

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 707	R 708	R 709	R 710	R 711	R 712	R 713	R 714	R 715	R 716	R 717	R 718	R 719	R 720
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
2	98.4	109.0	120.7	132.8	147.2	162.3	177.8	195.3	213.3	231.5	250.2	269.3	288.5	308.1
3	146.9	150.5	153.0	154.6	157.9	159.9	160.5	161.4	162.1	161.2	160.4	159.8	158.4	157.5
4	148.7	152.0	155.6	157.9	161.2	163.3	164.4	165.0	166.3	165.7	165.0	164.0	162.8	161.2
5	151.5	152.3	152.3	151.6	152.8	152.3	151.7	150.8	150.5	148.5	146.9	144.7	142.0	139.1
6	151.7	152.3	153.3	153.1	154.1	153.7	152.2	151.3	150.8	148.8	146.7	144.4	141.5	139.1
7	156.5	155.2	153.3	151.0	149.6	147.6	145.3	143.2	141.8	139.4	136.6	134.6	132.6	130.6
8	158.8	156.9	156.0	154.0	152.9	151.1	148.6	145.8	144.8	142.1	139.4	136.8	134.2	132.1
9	184.2	168.7	154.2	139.5	126.9	114.2	102.0	90.6	81.7	72.8	64.5	57.8	51.8	46.8
10	70.7	79.2	88.3	98.0	110.5	123.3	136.5	151.9	167.9	184.3	201.1	219.2	237.7	256.4
11	115.1	116.5	117.1	117.0	119.1	119.6	119.4	119.9	120.1	119.2	117.8	116.4	114.6	112.1
12	113.9	114.7	116.5	116.6	119.0	119.5	119.4	119.5	120.1	119.4	118.3	116.8	115.1	113.3
13	116.6	117.0	117.1	116.2	117.8	117.8	117.3	117.3	118.0	117.3	116.6	116.1	115.4	114.4
14	115.0	115.3	116.0	115.9	117.5	117.4	117.1	117.0	117.6	116.8	115.8	114.6	113.6	112.4
15	122.2	121.7	120.0	117.5	117.6	116.1	114.0	112.7	111.9	110.3	108.4	107.3	106.2	105.6
16	119.4	118.3	117.7	115.8	116.1	114.7	113.1	111.8	111.3	109.8	108.4	107.2	106.0	105.3
17	177.2	159.4	144.1	128.5	116.6	103.4	90.5	80.1	71.7	63.1	55.6	49.3	44.7	40.7
19	89.2	89.0	88.1	86.2	87.7	87.6	87.3	87.7	88.9	89.1	89.2	89.4	89.8	89.8
20	88.7	88.0	87.9	86.9	88.8	88.3	88.6	88.7	90.1	90.0	90.1	89.9	89.9	90.0
21	77.0	77.4	76.8	75.6	77.6	77.4	77.1	76.8	77.7	76.9	77.5	77.4	78.4	80.0
22	75.8	76.1	76.2	75.6	77.6	77.7	77.3	77.1	78.1	77.9	77.8	78.4	79.2	80.5
23	63.5	63.7	63.2	61.5	63.8	63.7	62.8	62.2	63.4	63.5	63.9	63.8	64.1	64.5
24	63.2	62.8	62.9	61.6	63.4	64.3	63.1	61.9	62.8	63.2	63.7	63.8	64.3	65.1
25	57.4	57.5	57.0	55.3	56.2	55.7	54.4	54.9	55.7	55.2	54.4	54.7	56.2	57.8
26	57.0	56.5	56.9	55.7	56.5	56.0	54.8	54.9	56.2	55.5	55.1	55.2	56.3	58.3
43	115.9	120.4	124.0	126.7	131.7	134.7	137.1	139.6	142.7	143.4	144.3	144.9	145.7	146.8
44	111.9	115.7	120.1	122.8	127.4	130.5	132.6	135.1	138.5	139.6	140.7	141.7	142.6	143.5
67	53.4	54.1	54.5	53.8	55.7	55.8	56.0	56.7	58.7	58.8	58.9	59.0	60.0	61.5
68	53.1	53.7	54.6	54.4	56.4	56.7	56.8	57.5	59.8	60.1	60.6	60.6	61.5	62.9
85	174.0	175.7	175.5	175.2	176.0	175.9	174.3	173.4	172.1	169.6	167.0	164.0	160.3	156.6
86	177.8	178.7	180.2	180.0	180.8	180.6	179.4	178.1	177.2	175.2	172.9	169.9	166.2	162.9
87	122.8	132.8	143.0	153.0	165.0	176.7	188.1	201.0	213.7	225.9	237.8	250.1	261.7	273.2
88	121.4	131.8	142.6	153.6	166.2	178.5	190.7	203.5	217.4	230.0	243.2	255.5	267.3	278.6
89	38.7	43.5	49.1	54.7	63.1	71.3	79.9	90.5	102.7	115.0	128.6	143.3	158.3	173.9
90	38.8	43.7	49.3	54.8	63.2	71.6	80.4	90.9	103.5	115.7	129.2	144.1	158.9	175.0
91	38.3	43.0	48.1	53.6	61.9	69.9	78.6	89.3	102.0	114.5	128.5	143.3	158.4	174.9
921	204.1	188.3	172.9	157.6	144.0	130.5	117.2	105.0	94.7	84.4	75.4	67.6	60.5	55.1

Table CXL: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 707 P1	R 708 P1	R 709 P1	R 710 P1	R 711 P1	R 712 P1	R 713 P1	R 714 P1	R 715 P1	R 716 P1	R 717 P1	R 718 P1	R 719 P1	R 720 P1
922	117.7	130.0	142.8	156.2	171.8	187.6	204.4	222.6	240.1	259.0	277.7	296.9	316.6	336.8
93	68.3	76.5	85.0	94.7	107.0	119.5	132.1	147.3	163.2	179.3	196.4	214.2	231.9	251.0
94	113.0	124.7	136.9	150.0	165.6	181.4	197.7	216.0	234.7	253.8	272.7	292.8	312.5	333.4
95	42.2	47.4	53.1	59.2	68.2	76.9	86.8	98.0	110.9	124.0	138.4	153.9	169.8	187.6
125	72.1	71.7	71.1	69.3	69.2	68.1	66.5	65.1	64.6	62.8	62.0	61.4	60.3	59.4
126	75.6	74.8	74.1	73.0	72.9	71.6	69.8	68.1	67.6	65.6	64.9	64.1	62.9	62.2
128	134.5	120.3	107.6	94.4	84.9	75.0	65.5	57.6	51.9	45.7	41.2	37.2	34.4	32.7
132	32.7	34.4	36.9	40.0	45.8	51.9	57.9	66.1	76.2	86.9	98.4	111.2	125.4	140.2
201	477.5	462.6	446.2	429.2	411.9	393.2	374.6	354.3	333.8	313.1	292.8	274.2	256.4	239.4
202	538.3	530.3	520.5	510.0	498.5	484.6	470.4	454.7	438.1	420.8	402.9	385.0	366.5	348.1
203	557.7	557.1	555.4	552.1	546.9	540.7	532.8	522.0	510.9	497.6	482.0	464.3	447.6	430.2
204	530.1	539.3	546.0	551.8	555.1	556.3	557.8	556.7	553.0	548.4	541.6	532.2	520.0	508.0
205	456.1	472.4	487.7	500.7	514.3	524.4	534.0	542.6	549.7	553.6	555.8	557.4	555.0	550.9
206	365.4	385.2	404.0	423.1	441.6	459.0	475.4	491.4	505.3	517.9	527.6	537.7	544.8	549.6
207	296.1	315.6	334.3	354.3	375.0	394.4	413.6	431.6	448.9	465.3	480.7	494.9	507.9	519.8
208	259.0	277.8	295.8	313.7	332.1	350.5	368.8	387.5	404.5	422.4	439.3	455.5	470.8	485.7
209	396.2	400.4	402.0	403.1	403.4	402.5	400.5	397.3	392.2	386.5	379.8	371.9	362.7	353.0
210	456.8	463.1	466.8	470.0	471.7	471.9	471.2	468.4	464.3	458.7	452.2	443.9	433.8	423.2
211	509.1	517.0	523.5	528.1	531.2	533.1	532.8	531.8	528.0	523.5	516.6	508.0	496.7	485.5
212	513.4	521.7	528.0	533.2	536.8	539.1	539.5	538.2	534.5	529.9	523.7	513.6	502.4	492.0
213	466.1	472.9	477.5	481.8	484.4	484.4	484.5	481.9	478.3	472.7	466.1	457.5	446.9	436.9
214	399.6	403.8	407.2	408.9	409.7	408.9	407.6	404.6	400.2	395.6	389.6	381.4	372.3	363.3
215	198.0	182.5	167.8	152.6	139.5	126.1	113.2	101.6	91.9	81.2	72.6	65.0	58.4	53.1
216	167.2	170.4	172.7	174.8	177.5	179.4	180.5	181.8	183.1	182.7	181.7	181.2	179.9	178.4
217	168.6	171.7	175.2	177.3	180.4	182.7	183.8	184.7	186.2	185.8	185.5	184.0	182.4	180.6
218	116.2	128.2	140.7	154.0	169.4	185.5	201.7	220.0	238.2	256.7	275.1	294.5	314.1	333.9
219	74.3	75.3	76.1	76.1	77.5	78.1	77.8	78.4	79.5	79.0	79.0	79.4	79.2	78.0
220	73.6	74.3	75.6	75.9	77.5	78.1	78.0	78.5	79.7	79.1	80.0	80.1	79.5	78.4
221	53.4	53.6	53.5	52.8	53.9	54.0	53.9	54.3	55.5	55.2	56.0	57.0	58.0	59.1
222	52.5	52.3	52.7	52.4	53.4	53.6	53.4	54.1	55.4	55.0	55.8	56.8	57.8	59.3
223	49.8	50.6	50.8	50.4	51.9	52.6	52.6	53.8	55.6	55.5	56.3	57.4	58.8	57.0
224	49.2	49.7	50.5	50.2	51.8	52.4	52.5	53.8	55.6	55.9	57.0	57.5	60.3	57.5
225	140.7	127.1	114.5	102.0	91.8	81.4	71.8	63.9	57.7	50.6	44.6	40.5	37.1	34.7
226	292.9	275.4	257.5	239.4	222.0	204.4	187.8	170.9	154.8	140.4	126.9	114.8	103.4	92.9
227	334.9	315.6	296.0	276.4	257.0	237.7	219.8	202.8	185.9	170.2	155.4	141.6	128.5	116.1
228	394.6	374.9	353.9	331.9	308.7	285.8	265.1	245.4	227.0	210.1	194.7	180.1	165.8	152.4

Table CXLI: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 295.0$

Upright, Pressures in psf

Orifice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R 707	R 708	R 709	R 710	R 711	R 712	R 713	R 714	R 715	R 716	R 717	R 718	R 719	R 720
Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	167.7	183.4	198.7	214.9	232.5	251.2	270.5	290.8	309.8	329.8	349.2	368.4	387.1	406.1
230	48.0	53.8	60.2	67.0	76.7	86.2	96.2	108.9	122.7	136.2	151.2	167.2	183.7	201.5
231	258.0	258.9	257.7	256.1	254.5	252.5	249.5	246.3	241.7	237.5	232.3	227.1	221.6	215.4
232	347.2	349.5	349.8	349.1	348.8	346.4	343.4	339.7	334.2	328.4	321.5	313.8	305.3	296.2
233	340.9	343.1	344.7	344.7	344.0	342.0	338.8	335.3	330.2	325.2	319.2	312.0	303.8	295.6
234	256.7	256.5	257.0	255.6	254.1	251.2	248.2	244.1	239.4	234.5	229.6	224.3	218.2	212.0
235	69.7	73.9	77.6	80.2	84.8	88.3	90.6	94.1	97.2	99.0	100.7	102.7	104.9	107.6
236	58.5	64.9	70.8	76.6	84.2	91.4	98.1	105.9	114.3	121.5	129.5	138.2	146.8	156.0
237	46.1	52.0	58.3	64.7	73.7	82.2	91.6	103.1	115.7	127.7	141.2	155.4	170.2	186.1
238	44.0	49.6	55.6	61.9	70.9	79.7	89.3	101.0	113.7	126.4	140.6	156.1	171.7	189.0
239	42.1	47.5	53.3	59.3	68.3	76.9	86.3	97.8	110.5	123.4	137.7	153.3	169.4	187.3
240	29.9	33.4	37.3	41.2	47.7	54.2	60.9	69.8	80.5	90.5	102.0	114.4	128.2	144.3
241	32.0	37.5	43.0	47.5	54.1	59.7	64.6	70.8	77.7	83.8	90.7	98.3	106.4	115.6
242	24.4	22.0	20.5	18.0	17.4	16.1	14.1	13.4	14.5	13.1	12.8	13.1	13.1	14.1
243	104.1	94.2	82.8	73.9	66.6	58.8	51.1	44.6	40.3	35.2	31.2	28.3	25.6	23.3
244	134.2	120.8	108.0	95.1	85.3	75.5	66.1	58.3	52.6	46.0	41.2	37.5	34.2	32.3
245	135.7	121.4	108.9	96.7	86.8	76.8	67.4	59.4	53.6	47.0	41.9	37.9	34.4	32.4
246	97.2	96.1	95.2	93.7	94.0	93.4	92.1	91.6	92.1	90.9	90.2	90.3	90.5	91.4
247	74.0	76.1	77.4	78.1	80.0	81.1	81.2	81.6	82.2	80.7	79.3	77.3	74.2	70.7
248	65.9	65.4	64.3	62.8	62.9	61.9	60.3	59.3	59.1	58.0	57.5	57.2	56.7	56.8
249	65.8	64.8	64.3	62.9	63.1	62.1	60.4	59.5	59.1	57.7	58.1	57.6	56.9	57.1
250	52.1	55.9	57.3	56.6	57.3	54.1	50.6	48.7	47.4	44.3	42.0	39.3	37.4	36.4
251	34.2	33.5	33.0	31.8	32.9	32.5	31.7	31.7	32.6	32.2	32.7	33.3	34.1	35.8
252	183.3	198.7	214.4	230.5	248.1	266.0	284.6	304.8	324.5	344.8	364.7	384.5	403.4	421.1

Table CXLII: Ames Research Center 8x7 Tunnel - 10% Model
Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	$.0^\circ$	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 677 Pi	R: 678 Pi	R: 679 Pi	R: 680 Pi	R: 681 Pi	R: 682 Pi	R: 683 Pi	R: 684 Pi	R: 685 Pi	R: 686 Pi	R: 687 Pi	R: 688 Pi	R: 689 Pi	R: 690 Pi
2	122.7	136.0	150.3	166.8	184.0	202.6	222.6	244.9	266.4	289.5	313.3	337.6	361.0	384.7
3	182.7	186.2	189.9	193.4	196.4	199.2	201.2	202.4	202.8	202.7	202.2	201.3	199.5	197.0
4	186.9	191.6	195.7	198.8	201.3	204.3	205.5	207.4	207.1	206.7	206.0	204.6	203.6	202.0
5	188.4	188.6	189.3	189.9	190.2	190.3	189.8	188.9	188.4	186.4	184.9	182.5	178.9	173.6
6	190.9	192.3	192.9	192.8	192.5	192.2	190.9	190.0	188.2	185.6	183.4	180.3	177.5	174.0
7	193.8	191.6	190.1	188.3	186.3	184.2	181.9	179.5	177.5	174.4	171.8	169.3	165.9	162.4
8	199.0	198.4	196.2	194.1	191.4	189.3	186.0	183.5	180.8	176.9	174.3	170.9	167.3	164.8
9	230.3	210.6	192.4	175.0	158.5	142.7	128.2	114.8	102.8	91.0	81.4	72.3	64.5	57.9
10	88.0	98.3	110.5	124.6	138.6	154.1	171.4	190.5	209.9	230.4	252.3	275.3	297.7	320.3
11	143.0	143.8	145.4	147.1	148.6	149.6	150.2	150.6	150.5	149.4	148.4	146.7	143.5	138.9
12	142.7	144.7	146.1	147.8	148.7	149.6	149.8	150.3	150.1	148.9	147.9	145.8	143.4	141.1
13	144.9	144.5	145.2	146.2	146.9	147.2	147.3	147.5	148.1	147.3	146.9	146.3	144.6	142.0
14	144.6	145.3	146.2	147.0	147.0	147.3	146.9	147.3	146.8	145.6	144.9	143.2	141.7	140.2
15	152.0	150.0	148.7	148.1	146.6	145.1	143.5	141.6	140.4	138.6	137.1	135.6	133.4	131.5
16	150.1	149.2	147.9	147.0	145.2	143.9	142.0	140.7	139.0	136.8	135.8	133.9	132.4	131.6
17	224.9	202.2	181.6	163.1	146.0	130.0	115.0	101.9	90.0	79.3	70.6	62.4	55.8	50.1
19	110.6	110.7	108.9	109.4	109.6	110.2	110.3	111.1	111.5	111.6	112.6	113.0	112.6	112.7
20	112.1	111.6	110.8	111.1	111.0	111.2	111.4	112.1	112.3	112.4	112.8	112.7	113.1	113.0
21	96.1	95.3	94.8	95.9	96.9	97.0	97.3	97.5	97.4	98.5	98.4	98.8	98.6	98.7
22	96.4	96.4	95.9	96.9	97.1	97.4	97.8	97.9	97.5	98.1	98.3	98.1	98.8	100.5
23	78.8	77.8	77.6	78.1	79.2	79.5	78.9	78.7	79.4	79.8	80.8	80.6	80.3	79.5
24	79.4	78.8	78.4	78.6	78.4	80.3	79.7	77.6	78.0	78.3	79.5	79.8	80.1	80.3
25	71.4	70.5	70.0	70.5	70.1	69.5	69.5	69.7	69.4	69.2	69.4	69.7	70.7	71.5
26	72.3	72.2	71.2	71.5	70.8	70.0	69.5	70.2	69.8	69.3	69.3	69.6	70.8	72.4
43	144.1	148.6	153.9	159.2	164.0	168.3	172.1	176.0	178.3	179.9	181.6	182.9	182.8	182.6
44	140.7	145.7	150.1	155.0	158.7	162.5	166.3	169.6	172.1	173.3	175.7	176.9	177.9	179.0
67	66.1	66.2	66.6	68.5	68.7	69.3	70.4	71.5	72.8	73.3	74.3	74.6	75.0	75.0
68	67.3	67.9	68.5	69.9	70.5	70.7	71.9	73.3	74.3	74.7	75.5	75.9	76.5	77.7
85	216.3	216.9	218.3	219.1	219.3	219.3	218.6	217.3	215.2	212.7	209.5	205.6	201.0	194.7
86	223.3	225.4	226.6	226.4	225.9	225.8	224.5	223.3	221.3	218.9	215.8	211.9	208.0	203.8
87	152.5	164.8	178.2	192.0	205.8	220.7	235.9	251.6	267.3	283.1	298.1	313.7	328.0	341.3
88	151.8	165.2	179.1	193.2	207.5	222.9	238.8	255.4	270.9	287.4	303.5	319.2	334.0	349.0
89	48.0	54.1	61.0	69.5	78.4	88.8	101.0	114.4	128.6	144.7	162.2	180.6	199.3	218.2
90	48.3	54.5	61.5	69.9	78.8	89.2	101.2	114.7	129.1	145.2	162.3	181.0	199.9	219.5
91	47.4	53.3	59.8	68.1	76.8	87.2	99.3	113.0	127.4	143.9	161.5	180.6	199.5	218.8
921	255.9	235.2	216.4	197.1	179.6	163.0	146.8	131.8	118.6	106.1	94.8	84.4	76.2	68.4

Table CXLII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Ori- fice ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 677 Pi	R: 678 Pi	R: 679 Pi	R: 680 Pi	R: 681 Pi	R: 682 Pi	R: 683 Pi	R: 684 Pi	R: 685 Pi	R: 686 Pi	R: 687 Pi	R: 688 Pi	R: 689 Pi	R: 690 Pi
922	146.7	161.7	179.0	196.5	214.4	234.4	255.3	278.5	300.5	323.7	347.4	371.8	396.3	421.2
93	84.9	95.1	106.7	119.6	133.5	149.1	166.2	184.8	203.7	224.7	246.4	269.1	291.1	314.3
94	140.6	155.2	171.2	188.3	206.5	226.5	247.6	270.4	292.9	316.5	341.4	366.6	391.8	417.4
95	52.4	58.8	66.3	75.2	85.2	96.0	109.1	123.6	138.8	155.7	173.9	193.9	213.8	234.9
125	89.2	88.0	87.6	87.3	86.1	85.0	83.2	81.8	80.3	79.4	79.0	78.0	76.2	73.7
126	95.4	94.9	92.8	92.4	91.1	89.4	87.7	86.0	84.3	82.5	81.5	80.5	79.4	77.4
128	169.1	151.2	135.2	119.8	106.1	93.8	82.2	72.7	64.5	57.6	51.7	47.2	43.7	40.5
132	39.6	42.2	46.0	51.0	56.8	64.2	73.1	83.7	94.9	109.6	124.2	140.4	158.1	174.7
201	598.1	579.0	558.3	537.3	514.9	492.3	466.9	441.5	416.0	389.9	363.8	340.0	318.7	298.0
202	672.0	661.7	650.9	637.4	622.7	606.9	588.6	568.6	548.2	526.7	503.4	479.7	457.6	434.2
203	695.5	696.5	694.0	689.4	683.4	675.9	665.4	652.5	638.2	621.1	603.0	580.4	559.4	538.1
204	662.0	672.5	682.3	688.8	693.8	695.6	697.1	696.2	691.4	685.2	677.4	664.1	649.4	635.1
205	571.0	590.0	608.9	626.8	642.2	656.2	668.0	678.4	685.8	691.8	695.1	696.0	693.5	688.6
206	455.5	480.4	505.4	529.7	551.9	574.5	595.0	614.8	631.2	647.0	660.3	671.0	681.0	685.8
207	368.9	392.9	417.9	442.7	467.8	493.7	517.7	540.5	562.1	582.7	601.6	618.8	634.9	648.9
208	322.9	346.2	370.0	392.5	414.4	437.9	460.9	484.9	506.6	528.1	549.7	570.1	589.5	606.9
209	494.3	497.7	501.5	502.6	503.4	502.5	500.7	497.0	490.9	484.4	475.9	464.5	452.7	440.1
210	570.2	577.4	582.8	586.5	589.0	589.7	589.1	586.5	582.0	575.1	567.2	555.8	543.3	530.2
211	635.6	644.8	653.3	658.0	663.5	665.1	666.2	665.1	660.7	654.1	645.9	635.0	620.6	606.1
212	641.1	652.1	660.5	665.9	671.0	673.5	673.3	673.1	668.0	661.5	654.0	638.6	627.7	613.2
213	583.8	591.8	599.0	601.9	604.5	605.8	605.3	602.7	597.7	591.5	583.3	572.0	559.6	546.6
214	501.8	506.1	510.2	511.0	511.7	511.3	509.6	506.1	500.4	494.3	487.2	475.8	464.7	454.3
215	247.7	228.1	209.2	190.9	174.1	157.8	142.0	127.6	114.6	102.4	91.6	81.4	73.2	65.7
216	206.7	210.5	214.5	218.0	221.0	223.9	226.2	227.6	228.8	229.1	228.7	227.7	226.0	222.5
217	211.3	216.7	220.2	223.1	225.7	228.7	230.0	231.8	232.6	232.0	231.7	229.9	227.8	225.9
218	144.9	159.4	175.6	192.9	211.5	231.7	252.8	275.7	297.6	321.1	345.0	368.9	392.5	417.5
219	92.2	93.0	94.0	95.0	96.2	97.1	97.7	97.3	99.1	99.9	101.0	101.4	101.8	99.6
220	92.4	94.1	95.2	95.7	96.8	97.7	98.2	98.7	99.1	100.6	102.0	102.4	102.0	101.2
221	66.0	65.7	65.7	66.3	67.0	67.4	67.9	68.2	69.0	69.7	71.1	72.2	72.9	72.9
222	66.0	66.3	66.2	66.5	66.6	66.7	67.4	68.1	68.6	69.1	70.4	71.4	72.8	73.7
223	61.6	62.1	62.8	63.8	64.7	65.4	66.5	67.5	68.8	69.8	70.8	71.7	73.4	72.4
224	62.0	62.9	63.4	63.7	64.4	65.7	67.1	67.7	68.7	70.0	70.6	71.5	74.5	72.9
225	176.3	159.0	143.3	127.8	114.0	101.7	90.1	80.0	71.6	64.0	57.2	51.0	46.7	42.9
226	366.3	343.4	322.1	298.6	277.1	255.6	233.8	213.1	193.9	175.5	158.8	143.4	129.0	116.3
227	419.9	394.3	370.0	344.3	320.2	297.3	274.1	252.8	232.3	212.9	194.2	176.2	160.3	145.2
228	494.4	468.1	442.2	413.2	384.8	357.1	330.2	305.9	283.6	262.8	243.1	224.3	206.7	190.5

Table CXLIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = .0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Office ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 677	R: 678	R: 679	R: 680	R: 681	R: 682	R: 683	R: 684	R: 685	R: 686	R: 687	R: 688	R: 689	R: 690
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	208.5	227.7	248.2	269.4	290.4	313.6	337.1	362.7	387.6	411.9	436.4	460.6	484.6	506.2
230	59.5	66.5	74.8	84.5	95.4	108.0	121.6	137.2	153.4	171.2	190.2	210.4	230.9	251.8
231	320.9	320.1	320.7	319.0	317.4	314.9	311.3	307.3	302.6	297.0	291.1	284.5	277.1	268.7
232	433.0	433.8	435.1	434.7	434.2	432.2	428.4	424.1	418.3	410.6	402.4	392.3	381.6	369.9
233	428.2	430.8	432.0	430.7	429.1	427.1	422.7	418.7	412.8	405.1	397.9	388.3	379.2	369.7
234	322.3	323.0	322.7	320.2	317.3	314.2	309.5	304.9	298.9	292.4	286.0	278.9	272.0	265.8
235	86.3	91.1	95.2	100.9	105.7	110.2	114.3	118.3	121.6	124.9	127.2	129.6	131.9	134.4
236	72.5	79.5	87.7	96.1	105.2	114.3	123.4	133.3	143.0	153.3	163.9	174.5	184.6	194.7
237	57.3	64.1	72.2	81.3	91.6	103.0	115.5	129.9	144.7	160.3	177.8	196.1	214.2	232.6
238	54.6	61.2	69.0	78.1	88.3	99.8	112.6	127.2	142.4	158.9	177.3	196.8	216.2	236.5
239	52.4	58.8	66.2	74.9	84.6	96.2	108.8	123.4	138.5	155.1	173.8	193.2	213.0	233.8
240	37.1	41.2	46.0	52.3	59.1	67.2	76.5	87.8	100.7	114.0	129.2	144.8	161.3	179.8
241	40.0	46.1	53.4	60.7	67.2	73.9	81.3	89.3	97.2	105.9	115.6	124.4	134.5	143.8
242	30.2	27.0	24.4	22.6	20.8	19.3	17.8	17.0	17.1	16.7	17.1	16.5	16.8	16.3
243	131.5	119.2	103.6	93.0	82.8	73.4	64.5	56.6	50.0	44.0	40.0	36.0	32.8	28.9
244	168.9	151.6	135.0	119.5	106.7	94.4	83.0	73.5	65.5	58.1	52.8	47.3	43.5	40.1
245	170.7	152.2	136.4	121.3	108.2	95.6	84.4	74.7	66.6	59.2	53.6	48.0	44.1	40.2
246	120.2	119.4	117.8	117.3	116.9	116.3	115.9	115.3	115.3	114.6	115.1	114.4	114.4	113.9
247	91.4	93.6	96.2	98.4	99.7	100.9	102.4	102.8	102.7	102.0	99.8	96.9	92.6	87.2
248	81.4	80.3	79.3	79.0	78.2	76.8	75.8	74.6	74.0	73.1	72.7	72.4	71.6	70.5
249	83.6	82.0	81.0	80.1	79.0	77.7	76.2	74.9	74.0	73.1	72.6	72.0	71.8	71.4
250	63.6	68.7	71.6	71.6	70.1	66.3	63.7	61.4	58.8	56.1	53.0	49.9	47.4	45.1
251	42.2	41.1	40.4	40.9	40.5	40.3	40.2	40.0	40.3	40.9	41.6	42.5	43.4	44.0
252	228.1	246.7	267.8	288.6	309.7	331.7	354.6	380.4	405.2	430.5	456.0	481.4	505.0	527.9

Table CXLIII: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal α														
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°	
	R: 692	R: 693	R: 694	R: 695	R: 696	R: 697	R: 698	R: 699	R: 700	R: 701	R: 702	R: 703	R: 704	R: 705	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
2	122.1	135.5	150.6	166.8	184.0	203.5	224.2	245.2	266.2	289.3	312.7	336.1	361.0	385.1	
3	163.4	166.9	170.1	173.1	175.4	177.8	178.9	180.3	181.3	180.3	179.9	179.1	177.8	176.2	
4	206.9	212.0	215.9	220.2	223.2	225.6	227.7	228.2	229.3	229.3	228.3	227.1	225.4	223.8	
5	167.9	168.3	168.7	169.1	169.1	169.3	168.7	168.1	167.8	165.9	164.5	161.6	158.6	154.3	
6	211.9	213.0	213.5	213.9	213.4	212.7	212.0	209.4	208.2	206.1	203.7	200.3	197.4	193.7	
7	173.3	170.8	169.4	167.6	165.7	163.9	161.9	159.6	157.1	155.0	152.7	150.1	147.7	145.6	
8	220.3	219.4	216.9	214.2	211.8	208.7	206.3	202.0	198.6	195.9	193.1	189.4	186.4	183.4	
9	230.1	210.4	191.7	174.0	157.4	141.4	127.0	113.2	100.8	90.3	81.0	72.2	64.5	58.0	
10	87.6	98.4	110.3	123.7	137.7	153.6	171.3	189.4	208.7	229.3	251.2	273.1	297.1	320.4	
11	125.8	126.6	127.9	128.9	129.8	131.0	131.5	131.6	131.3	130.9	130.3	127.4	124.8	121.2	
12	160.7	162.9	164.3	165.2	166.4	167.4	168.2	167.5	167.1	167.2	166.8	164.4	162.9	160.1	
13	127.6	127.6	128.0	128.4	128.6	129.2	129.1	129.3	129.4	129.2	129.3	128.3	127.0	125.4	
14	162.7	163.5	164.0	164.5	164.6	164.7	165.3	164.1	163.4	163.5	163.4	161.4	160.1	158.3	
15	133.8	132.2	131.4	130.0	128.4	127.2	125.6	123.8	122.4	121.1	120.3	118.3	117.2	116.2	
16	168.5	167.4	166.2	164.1	162.5	160.5	159.0	156.1	154.7	153.5	152.5	150.7	149.6	148.1	
17	226.3	203.1	182.1	162.1	145.4	128.2	113.4	99.4	87.8	78.2	69.9	61.8	55.6	50.6	
19	95.5	95.5	94.7	93.8	94.3	94.7	95.0	95.4	95.6	96.5	97.5	97.2	97.5	98.8	
20	127.6	126.9	126.3	125.8	125.9	126.1	126.7	126.0	126.9	127.7	128.5	128.1	128.9	128.8	
21	82.5	81.8	81.9	81.8	82.5	82.7	82.6	82.2	82.6	83.5	84.1	84.3	85.3	86.8	
22	110.4	110.5	110.4	110.1	111.0	111.1	111.7	110.8	111.1	112.1	112.9	113.0	114.0	115.4	
23	67.4	66.6	67.0	66.4	67.7	67.8	66.7	66.4	67.3	67.7	69.0	68.5	68.4	69.6	
24	91.0	90.3	89.8	89.1	88.7	91.2	90.9	87.0	87.6	88.9	90.9	91.4	91.8	92.6	
25	61.0	60.0	60.3	59.7	59.5	58.9	59.0	58.3	58.1	58.2	58.9	59.4	60.8	62.5	
26	83.5	82.8	82.3	81.3	80.7	80.0	79.4	78.8	78.6	79.2	80.2	80.5	82.0	84.1	
43	128.0	132.0	136.8	141.0	145.1	148.9	152.1	154.4	157.2	158.7	160.2	161.0	161.4	162.7	
44	156.6	162.7	167.7	172.5	177.0	181.4	185.4	187.4	190.7	193.6	196.1	197.5	199.0	200.5	
67	56.5	56.6	57.3	58.1	58.8	59.0	59.7	60.6	61.4	62.1	62.8	63.4	64.4	65.7	
68	77.5	78.2	78.9	79.5	80.5	81.0	82.1	82.6	83.9	85.7	87.4	87.9	88.7	90.2	
85	194.2	194.9	195.7	196.2	196.1	196.6	195.6	194.3	192.9	190.3	187.6	183.6	179.6	174.7	
86	245.4	248.0	249.0	249.3	249.4	248.7	247.8	245.3	243.2	240.9	238.0	233.9	230.3	225.0	
87	141.6	153.3	165.3	178.2	191.3	205.6	219.9	235.1	249.8	263.6	278.4	292.6	307.4	320.8	
88	161.7	176.2	190.2	205.8	220.8	237.6	255.1	271.5	287.7	304.8	321.3	336.8	354.2	370.0	
89	47.1	52.9	59.7	67.5	76.1	86.9	98.4	111.3	124.8	139.9	156.9	174.8	193.7	212.6	
90	48.5	55.0	62.5	71.2	80.4	92.0	104.1	117.6	132.4	148.3	166.5	184.6	204.8	224.3	
91	46.7	52.7	59.7	67.5	76.4	87.3	99.2	112.6	127.0	142.6	160.9	179.3	199.6	219.3	
921	255.8	235.9	215.8	196.9	179.2	162.1	145.7	130.6	118.0	105.5	94.8	84.9	76.1	68.2	

Table CXLIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Office ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 692 Pi	R: 693 Pi	R: 694 Pi	R: 695 Pi	R: 696 Pi	R: 697 Pi	R: 698 Pi	R: 699 Pi	R: 700 Pi	R: 701 Pi	R: 702 Pi	R: 703 Pi	R: 704 Pi	R: 705 Pi
922	147.8	163.1	179.1	196.8	214.7	235.0	256.4	279.0	302.1	324.3	347.4	370.8	396.6	422.1
93	84.3	95.1	106.8	119.3	133.2	149.0	166.3	184.3	203.7	224.0	245.3	267.5	291.2	314.4
94	141.7	156.6	173.1	190.6	208.8	229.4	251.0	272.8	296.4	319.6	343.8	368.3	394.6	420.4
95	51.9	58.6	66.5	75.0	85.3	96.4	109.8	123.8	139.4	156.0	174.5	193.6	214.2	235.5
125	76.2	74.6	74.6	74.7	73.5	72.7	71.7	70.2	69.2	67.8	67.7	66.8	65.5	63.9
126	109.6	109.2	107.7	106.2	104.1	102.6	100.6	97.5	96.0	93.8	93.5	92.9	91.1	89.2
128	168.2	149.9	134.0	118.5	104.7	92.0	80.8	71.2	63.4	56.4	51.6	47.1	43.6	40.6
132	38.2	40.8	44.4	49.2	55.4	63.2	72.0	82.4	94.4	108.3	123.0	139.0	156.7	173.8
201	597.5	578.4	557.4	535.2	512.6	489.6	463.9	437.9	413.6	387.9	362.6	338.6	317.5	296.3
202	671.9	662.5	650.0	636.0	621.9	604.1	586.2	565.7	545.8	525.0	502.3	479.8	457.1	433.3
203	696.7	698.0	694.8	689.7	683.3	674.9	663.7	649.6	636.1	619.6	601.1	580.2	560.0	537.7
204	661.6	673.6	682.6	689.8	694.4	696.0	696.1	693.2	690.0	684.3	675.2	662.6	650.2	634.9
205	571.1	590.1	609.1	627.6	643.1	656.2	668.6	678.4	686.1	691.1	694.1	694.5	693.6	689.0
206	455.6	481.4	504.9	529.1	552.0	575.3	596.3	613.9	632.3	646.6	659.3	670.4	681.6	687.0
207	370.3	393.8	418.2	443.6	468.4	494.8	518.9	541.8	562.8	582.8	601.1	618.7	636.9	649.6
208	323.6	347.3	370.1	392.9	415.4	438.5	461.9	485.5	507.6	528.7	550.0	569.4	590.0	608.0
209	467.4	470.9	474.5	476.2	476.0	475.4	473.1	469.0	464.6	457.1	449.2	438.9	428.9	416.9
210	548.9	555.7	561.5	565.4	568.6	567.6	566.9	563.5	559.6	553.1	545.0	534.4	522.9	510.0
211	623.9	633.3	642.1	647.4	651.1	653.3	653.6	650.9	647.6	640.9	632.7	621.1	609.7	595.3
212	653.9	664.6	672.5	678.1	682.7	683.8	685.3	681.7	678.2	672.1	663.1	650.5	639.3	624.4
213	605.3	614.1	619.7	624.1	626.0	626.5	626.2	622.3	618.0	612.0	602.4	590.7	579.6	565.0
214	528.7	534.2	537.8	540.1	540.3	539.6	537.5	532.6	528.2	521.5	512.2	501.5	490.7	477.4
215	246.6	227.1	207.9	189.7	172.5	155.6	139.7	125.4	112.8	100.9	91.0	81.0	73.0	65.3
216	186.6	189.6	192.7	195.9	198.3	200.9	203.1	204.7	205.4	205.7	205.8	204.4	202.5	200.5
217	232.5	238.3	242.0	245.5	248.8	251.1	253.8	253.7	254.7	254.8	254.9	252.9	251.1	248.2
218	143.3	158.2	174.2	192.2	210.0	229.9	251.1	272.9	295.3	318.4	341.7	365.1	390.1	414.5
219	79.4	79.7	80.7	81.8	82.3	83.3	83.7	84.0	84.6	84.9	86.7	86.8	86.6	83.1
220	106.1	107.6	108.8	109.9	110.8	111.6	112.4	112.7	113.0	114.7	117.3	117.8	118.6	117.5
221	57.2	56.7	57.3	57.6	57.5	58.1	58.4	58.9	59.3	59.6	61.7	62.5	63.1	63.4
222	76.2	76.1	76.4	76.6	76.6	76.3	77.6	78.1	78.4	79.3	81.4	82.8	85.2	85.4
223	53.4	53.5	54.5	55.1	55.2	56.3	57.3	58.2	58.7	59.3	60.8	62.0	61.7	49.4
224	71.5	72.2	72.9	73.3	74.0	74.9	76.8	78.0	78.9	80.3	82.8	82.8	85.1	86.8
225	175.3	157.6	141.3	126.2	112.4	99.7	88.1	78.3	70.0	62.4	56.9	50.7	46.2	42.2
226	367.0	344.4	322.1	299.7	277.3	254.8	233.4	212.8	194.2	176.0	159.3	143.6	129.6	116.5
227	420.4	395.1	369.8	344.7	320.9	296.9	274.4	252.9	233.5	213.6	195.1	176.2	160.6	145.4
228	494.6	468.3	441.7	413.0	384.0	355.2	328.9	304.4	283.9	263.1	243.7	224.4	206.7	190.5

Table CXLIII: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\beta = 2.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Office ID	Nominal α													
	-2.0°	.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°	20.0°	22.0°	24.0°
	R: 692 Pi	R: 693 Pi	R: 694 Pi	R: 695 Pi	R: 696 Pi	R: 697 Pi	R: 698 Pi	R: 699 Pi	R: 700 Pi	R: 701 Pi	R: 702 Pi	R: 703 Pi	R: 704 Pi	R: 705 Pi
229	210.0	228.5	248.2	269.5	291.0	314.6	339.2	363.6	389.3	413.0	436.7	460.0	485.4	507.7
230	58.9	66.0	74.6	84.5	94.9	107.9	122.0	137.0	153.2	170.4	190.0	209.1	230.7	252.0
231	296.6	296.1	295.8	295.0	292.6	290.2	286.5	282.7	279.6	273.3	267.2	260.3	253.6	246.2
232	405.2	406.5	407.6	407.7	406.3	404.7	401.4	397.0	392.7	384.9	376.6	367.0	357.2	346.3
233	457.2	460.2	460.9	460.7	458.9	455.8	452.5	445.7	441.0	433.5	424.3	414.1	404.8	393.5
234	349.0	350.1	348.3	346.4	343.6	339.5	335.2	328.6	324.0	317.5	310.8	302.8	295.5	287.7
235	75.5	79.6	84.3	88.4	92.1	95.5	99.1	102.4	105.0	107.0	109.1	111.2	114.1	117.1
236	66.0	72.5	79.6	87.0	94.3	102.5	110.7	119.4	128.1	137.1	147.3	156.7	166.5	176.1
237	54.7	61.3	69.0	77.6	86.7	96.0	110.3	123.4	137.4	152.7	169.9	186.6	204.6	223.1
238	52.9	59.3	67.2	75.8	85.4	96.7	109.5	123.3	138.6	154.7	173.1	191.1	210.6	230.8
239	51.6	57.9	65.8	74.4	83.9	95.3	108.4	122.4	137.7	154.1	172.5	190.9	212.0	232.8
240	36.7	40.7	45.8	51.7	58.4	66.7	76.1	86.7	99.8	112.5	127.6	143.4	161.0	179.3
241	37.9	43.7	49.8	55.6	61.0	67.2	73.2	79.7	86.7	93.6	102.6	111.2	120.8	130.4
242	30.3	27.2	24.5	22.5	20.2	18.4	17.4	16.1	15.3	14.9	15.8	15.8	16.0	15.7
243	130.3	118.2	103.5	93.1	82.9	72.8	63.2	54.7	48.3	43.3	39.9	35.6	31.5	28.0
244	167.9	151.1	134.5	119.4	105.9	93.1	81.8	72.0	64.3	57.1	52.2	47.2	43.2	39.7
245	169.9	151.8	135.3	120.7	107.5	95.0	83.7	73.6	65.7	58.3	53.4	48.0	43.7	39.9
246	103.8	103.3	102.0	101.5	101.1	100.7	99.9	99.6	99.8	99.1	99.8	99.7	99.8	99.5
247	79.5	81.1	82.8	84.2	86.1	87.1	87.5	87.5	87.0	84.5	83.1	80.1	75.2	72.6
248	69.6	68.6	68.1	67.5	66.6	65.9	64.8	63.8	63.2	62.1	62.2	61.8	61.3	61.0
249	95.9	94.5	93.3	92.2	90.3	88.4	87.4	86.0	84.1	83.7	83.7	83.2	83.0	82.3
250	49.1	53.7	59.3	63.0	62.9	62.0	58.1	54.1	51.6	48.8	46.6	43.7	41.3	39.4
251	37.3	36.3	35.3	35.0	34.6	34.5	34.3	34.3	34.2	34.1	35.1	36.2	37.1	37.9
252	229.2	247.9	267.7	289.2	310.0	332.8	356.7	381.4	407.3	432.4	456.1	480.7	505.3	528.3

Table CXLIV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Upright, Pressures in psf

Office ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-.5°	.0°	.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R: 722 Pi	R: 723 Pi	R: 724 Pi	R: 725 Pi	R: 726 Pi	R: 727 Pi	R: 728 Pi	R: 729 Pi	R: 730 Pi	R: 731 Pi	R: 732 Pi	R: 733 Pi	R: 734 Pi	
2	221.5	222.0	222.4	222.7	222.5	221.9	222.2	222.3	222.6	223.4	223.0	222.3	220.9	
3	268.8	245.3	234.1	222.7	211.9	206.3	200.3	194.8	189.1	178.8	168.1	158.4	140.1	
4	146.5	164.1	173.6	183.2	194.1	199.3	205.4	210.8	217.1	227.9	240.0	252.2	276.2	
5	256.1	232.9	221.9	210.3	200.2	195.0	189.0	183.2	178.3	168.0	158.3	149.0	131.7	
6	134.8	151.3	160.1	169.3	179.7	184.9	190.7	195.8	201.8	211.5	223.4	235.2	258.7	
7	245.3	223.4	212.6	202.0	191.8	186.2	181.0	175.5	170.8	161.3	151.4	142.4	126.0	
8	131.4	147.2	155.8	165.2	175.0	180.0	185.6	190.7	196.5	206.2	217.0	228.0	251.5	
9	125.6	126.4	126.7	127.6	127.7	127.9	127.6	127.2	127.5	127.2	126.4	125.4	123.7	
10	171.0	170.8	170.7	171.1	171.0	170.5	170.9	170.7	171.3	171.2	171.1	170.2	169.0	
11	209.3	187.9	177.2	168.6	159.4	154.3	149.1	144.5	139.9	131.7	122.8	114.2	99.9	
12	102.2	115.8	123.4	131.5	139.4	144.7	149.5	154.2	158.9	168.6	178.2	187.6	209.4	
13	204.9	184.0	174.0	165.3	156.4	151.4	146.6	141.7	137.4	129.5	120.9	112.5	98.6	
14	99.9	113.4	121.2	129.1	136.9	142.0	147.0	151.5	156.0	165.4	175.2	184.1	206.0	
15	199.7	179.2	169.2	161.0	151.9	147.5	142.6	137.9	133.7	125.7	117.2	109.1	95.9	
16	97.0	109.4	116.7	124.6	132.1	137.0	141.5	145.9	150.5	159.3	168.5	177.5	198.0	
17	112.7	112.6	113.6	114.4	114.5	114.9	114.8	114.4	114.2	113.9	112.9	111.1	110.6	
19	158.9	140.9	132.9	126.1	117.8	114.1	109.8	105.8	102.4	95.1	88.5	81.6	71.1	
20	73.3	83.9	90.0	97.0	103.2	107.2	110.9	115.2	119.3	127.0	135.0	142.1	161.1	
21	143.1	126.4	118.9	111.7	104.2	100.6	96.5	92.2	89.0	82.8	77.0	70.6	60.9	
22	62.3	72.3	77.7	83.9	90.0	93.6	97.1	100.7	104.5	112.1	119.7	126.5	145.9	
23	118.6	103.9	97.3	91.5	84.9	81.7	78.5	75.2	72.4	66.9	61.8	56.8	49.6	
24	50.4	57.9	62.7	68.1	73.4	76.2	79.3	82.1	85.3	91.4	97.8	103.7	113.7	
25	105.4	92.0	86.2	80.7	74.4	72.0	68.9	66.0	63.7	59.4	55.5	50.5	44.5	
26	44.8	50.5	54.8	59.5	63.6	66.2	69.1	71.6	74.4	79.7	85.6	91.0	104.7	
43	232.7	211.4	201.1	192.0	182.0	177.0	171.4	165.7	161.4	152.3	142.7	133.8	117.2	
44	115.7	130.5	138.9	147.3	156.0	161.0	165.6	170.9	176.0	185.7	196.0	206.1	227.5	
67	106.3	92.6	86.9	81.6	75.5	72.6	69.5	66.8	64.6	60.3	56.3	51.4	45.2	
68	46.0	52.6	56.8	61.5	65.7	68.5	71.5	74.1	77.0	82.6	88.3	94.0	107.7	
85	288.9	264.3	252.9	240.5	229.3	223.5	217.5	211.5	205.7	195.0	184.3	173.8	154.5	
86	162.5	180.8	191.0	200.9	211.9	217.5	224.3	230.5	235.4	247.9	260.0	272.3	297.6	
87	281.1	265.6	258.7	250.6	243.5	238.9	235.3	230.3	226.5	219.2	211.6	203.4	188.2	
88	194.6	208.6	216.0	223.1	230.3	233.7	238.4	242.3	246.6	254.6	262.6	269.6	284.2	
89	108.7	106.2	104.9	103.5	101.7	100.8	100.4	99.3	99.1	98.0	96.0	94.5	92.2	
90	92.8	95.6	97.2	98.6	99.3	100.0	100.6	101.3	102.4	103.9	105.2	106.7	108.8	
91	99.1	99.4	99.4	99.1	98.7	98.6	98.6	98.7	98.9	98.8	99.2	99.0	98.6	
921	144.3	145.1	145.2	145.9	146.0	146.2	146.2	145.8	145.8	145.4	144.8	144.6	142.8	

Table CXLIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β													
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	-0.5°	0°	0.5°	1.0°	2.0°	3.0°	4.0°	6.0°	
	R 722	R 723	R 724	R 725	R 726	R 727	R 728	R 729	R 730	R 731	R 732	R 733	R 734	
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	
922	253.3	254.4	254.6	254.8	255.2	254.7	254.4	254.2	255.4	255.9	255.0	254.4	252.7	
93	165.7	165.6	165.8	165.4	165.3	165.1	165.3	165.3	165.7	165.6	165.8	165.3	164.2	
94	238.9	241.8	244.1	244.7	245.4	246.1	246.6	247.1	248.3	250.2	250.4	251.2	251.1	
95	106.9	107.7	108.1	108.2	108.3	108.4	108.4	108.7	109.0	109.5	109.7	109.8	110.1	
125	123.7	109.2	102.7	96.0	89.5	86.6	82.7	79.7	76.9	71.6	66.5	62.3	54.1	
126	57.9	66.3	70.9	75.6	81.2	83.9	87.4	90.7	93.8	100.5	107.1	114.4	129.8	
128	80.0	80.7	80.9	81.2	81.4	81.8	81.8	81.6	81.4	80.5	81.0	81.4	79.6	
132	71.4	71.5	71.4	71.9	72.4	72.4	72.5	72.5	72.5	71.6	71.5	71.4	71.2	
201	460.8	464.7	466.2	467.3	467.3	465.8	466.2	465.0	464.4	463.2	461.6	458.9	449.2	
202	579.9	585.6	587.1	589.4	588.3	586.6	588.0	586.4	586.0	585.0	583.9	580.1	568.8	
203	655.5	661.8	664.2	666.7	665.5	664.4	665.1	664.2	663.7	663.4	662.1	659.0	647.0	
204	687.9	694.3	696.4	698.2	697.9	695.3	694.8	695.4	695.8	696.3	694.3	691.6	680.2	
205	659.0	665.0	667.7	668.6	669.1	666.5	666.7	667.0	668.0	667.9	666.8	663.9	653.7	
206	589.0	592.6	595.4	595.4	596.2	593.8	594.2	594.2	594.6	594.9	594.1	591.1	583.1	
207	511.4	514.7	517.7	517.5	518.8	516.9	516.0	517.0	517.0	518.2	517.6	514.4	508.9	
208	454.9	458.1	460.4	460.5	461.6	460.1	459.9	460.2	460.3	460.9	460.2	458.2	452.6	
209	575.6	552.1	541.3	529.1	513.9	506.1	499.2	492.6	486.0	472.2	458.1	443.7	414.1	
210	645.9	629.4	621.5	611.8	600.4	593.6	587.5	582.2	576.9	565.8	554.5	541.7	514.2	
211	691.2	686.4	683.5	678.6	671.8	667.3	664.7	661.0	659.3	652.3	645.1	636.7	616.1	
212	631.8	649.0	656.9	663.3	669.7	669.6	672.6	675.0	678.9	685.3	689.1	693.3	691.0	
213	540.0	562.7	574.5	584.5	596.8	599.3	603.9	609.6	615.3	626.8	635.5	644.3	654.3	
214	427.2	453.5	468.1	481.8	496.9	502.6	508.9	515.5	522.7	537.7	550.4	562.6	582.2	
215	142.7	142.4	142.2	142.2	141.9	141.4	141.4	140.8	140.3	139.4	138.5	137.6	134.8	
216	296.1	272.0	260.5	248.3	237.2	230.7	225.2	218.7	213.1	202.0	191.5	181.2	161.5	
217	167.8	186.3	196.2	206.5	217.7	222.9	229.6	235.7	241.4	253.3	265.6	277.9	303.7	
218	257.2	255.8	255.7	254.3	253.4	252.2	251.9	251.4	250.9	250.5	248.8	247.0	243.1	
219	145.0	127.7	119.6	112.1	104.6	100.7	96.7	93.4	89.6	83.4	77.5	72.2	62.4	
220	63.2	73.7	78.6	84.6	90.8	94.1	97.5	101.1	104.6	112.1	119.8	127.5	145.3	
221	103.1	90.4	84.1	78.4	72.5	70.0	67.0	64.5	62.2	58.2	54.6	51.0	45.9	
222	45.1	50.6	54.2	58.1	62.0	64.2	66.9	69.8	72.2	77.4	82.9	89.1	101.8	
223	101.8	89.0	82.7	77.1	71.6	68.7	65.9	63.5	61.3	57.3	53.2	49.8	44.0	
224	44.3	49.7	53.3	57.3	61.5	63.8	66.3	68.8	71.5	76.6	82.0	88.0	101.2	
225	87.5	88.7	88.9	89.3	89.3	89.3	89.5	89.0	88.6	88.0	87.6	86.7	85.5	
226	230.0	231.8	232.7	233.2	234.0	233.3	233.0	232.8	232.8	232.6	232.3	231.4	227.9	
227	269.3	271.4	272.8	273.1	274.1	273.3	273.3	273.9	273.3	273.5	273.8	273.5	270.6	
228	326.5	328.6	329.6	330.5	330.8	330.1	329.8	328.9	328.6	328.2	327.8	327.2	322.5	

Table CXLIV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 10.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Orifice ID	Nominal β												
	-6.0°	-4.0°	-3.0°	-2.0°	-1.0°	$-.5^\circ$	0°	$.5^\circ$	1.0°	2.0°	3.0°	4.0°	6.0°
	R 722	R 723	R 724	R 725	R 726	R 727	R 728	R 729	R 730	R 731	R 732	R 733	R 734
	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi	Pi
229	333.8	335.8	336.6	336.8	337.4	336.6	336.6	336.8	338.3	338.3	337.4	336.1	332.7
230	121.0	121.3	121.6	121.4	120.8	120.8	120.8	120.9	121.3	121.5	121.3	121.2	120.8
231	387.5	361.5	349.8	336.4	323.9	317.2	310.3	303.7	297.6	285.6	272.9	260.2	236.8
232	508.1	483.2	470.6	457.0	442.7	435.3	427.6	420.4	413.8	400.4	386.2	371.7	342.8
233	339.4	365.1	379.3	393.0	408.3	415.6	422.5	429.2	437.1	451.9	465.8	480.6	504.1
234	237.4	259.3	271.1	282.7	295.9	302.0	308.9	314.5	321.0	334.6	347.7	361.4	386.4
235	162.8	145.6	137.9	129.9	121.7	117.5	113.4	109.5	105.9	98.6	91.9	86.0	73.8
236	160.7	148.1	142.4	136.3	129.5	126.2	122.4	119.2	116.5	110.3	104.6	99.4	88.9
237	130.2	125.6	123.6	120.9	118.0	116.5	114.6	113.6	112.4	110.0	107.2	104.5	99.7
238	120.2	117.9	116.8	115.5	113.6	112.9	111.7	111.0	110.7	109.3	107.6	106.4	103.3
239	109.7	109.7	109.5	109.0	108.7	108.2	107.9	108.0	108.2	108.1	107.3	107.4	106.6
240	75.0	74.5	76.5	76.6	76.1	75.9	75.9	75.8	76.0	75.8	75.4	75.3	73.0
241	106.8	98.7	94.5	90.4	85.4	83.1	80.4	78.4	76.8	72.9	69.0	65.2	58.0
242	21.1	19.7	19.1	18.1	17.4	17.5	17.4	17.0	17.2	17.2	17.5	17.7	18.4
243	60.1	62.3	62.6	64.3	64.2	64.4	64.0	64.1	64.1	63.1	61.5	62.7	58.6
244	80.4	81.5	81.9	82.1	82.4	82.4	82.3	82.1	81.8	81.5	80.9	80.6	79.3
245	81.7	82.7	82.9	83.0	83.2	83.7	83.7	83.5	83.4	83.3	82.9	82.7	81.4
246	166.1	147.9	139.4	131.5	123.2	119.2	114.8	110.7	107.0	99.7	92.9	86.8	75.8
247	151.3	133.6	125.7	117.9	110.0	105.6	101.5	97.5	93.5	87.2	80.6	74.9	63.7
248	114.0	100.4	93.8	87.4	81.2	78.2	75.1	72.4	69.6	64.5	60.3	56.4	48.9
249	49.6	56.6	60.9	65.2	70.2	72.7	76.0	78.4	81.2	87.2	93.4	100.4	114.3
250	95.2	83.5	78.1	72.8	67.8	65.3	63.0	60.9	59.4	58.4	57.6	55.3	51.5
251	63.2	54.7	50.5	46.9	43.0	41.2	39.8	38.2	36.9	34.2	31.7	29.9	26.1
252	350.9	353.2	354.5	354.0	354.7	354.2	353.8	354.6	356.0	356.2	356.1	354.5	351.3

Table CXLV: Ames Research Center 8x7 Tunnel - 10% Model
 Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$
 Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 736 P: i	R: 737 P: i
2	266.0	266.7
3	201.8	180.5
4	206.7	228.4
5	187.1	167.2
6	187.4	207.6
7	175.7	157.5
8	179.4	199.1
9	101.2	101.2
10	208.8	209.2
11	148.7	131.8
12	148.6	167.7
13	146.0	129.8
14	145.5	164.1
15	138.5	122.8
16	137.4	154.9
17	88.1	88.0
19	109.5	96.2
20	110.9	127.3
21	96.6	83.7
22	96.2	111.6
23	77.5	67.9
24	76.4	88.1
25	67.9	58.9
26	68.3	79.3
43	176.3	157.6
44	171.1	191.3
67	71.1	61.9
68	72.8	84.6
85	214.4	192.8
86	220.6	243.3
87	265.9	249.3
88	271.0	288.3
89	128.1	125.1
90	128.5	132.5
91	126.8	127.1
921	117.8	117.5

Table CXLV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R: 736 P:	R: 737 P:
922	299.7	300.9
93	203.3	203.7
94	292.3	296.5
95	138.4	139.4
125	79.7	69.3
126	83.6	95.3
128	63.8	63.2
132	94.7	93.8
201	414.9	412.5
202	547.1	545.3
203	636.2	636.4
204	690.3	689.5
205	685.6	685.7
206	630.3	632.0
207	560.7	563.3
208	505.1	507.4
209	490.0	463.6
210	580.5	559.0
211	658.8	647.1
212	666.6	678.0
213	597.1	617.2
214	499.9	527.1
215	113.7	112.5
216	227.7	205.4
217	231.8	254.8
218	297.1	295.9
219	98.4	84.9
220	98.4	113.0
221	68.2	59.0
222	68.1	78.5
223	67.8	58.7
224	68.1	78.9
225	70.8	69.7
226	192.9	193.0
227	231.6	232.1
228	282.6	282.6

Table CXLV: Ames Research Center 8x7 Tunnel - 10% Model(continued)

Nominal Conditions: $\alpha = 14.0^\circ$, $M_\infty = 3.50$, $q_\infty = 365.0$

Upright, Pressures in psf

Ori- fice ID	Nominal β	
	.0°	2.0°
	R 736 P1	R 737 P1
229	386.6	388.4
230	152.6	153.1
231	301.6	277.7
232	416.6	390.9
233	411.7	439.1
234	298.4	322.5
235	120.8	105.0
236	142.1	128.3
237	143.7	137.4
238	141.7	138.5
239	137.6	137.7
240	99.6	99.3
241	96.2	86.8
242	15.9	15.4
243	49.1	48.0
244	64.3	63.8
245	65.5	65.2
246	113.9	99.3
247	101.7	86.8
248	73.2	63.1
249	73.5	84.1
250	58.3	51.6
251	39.8	34.1
252	404.4	406.5

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16. Abstract <p>Pressure distribution test data obtained on a 0.10-scale model of the forward fuselage of the Space Shuttle Orbiter are presented without analysis. The tests were completed in the Ames Unitary Wind Tunnel (UPWT). The UPWT tests were conducted in two different test sections operating in the continuous mode, the 8 x 7 feet and 9 x 7 feet test sections. Each test section has its own Mach number range, 1.6 to 2.5 and 2.5 to 3.5 for the 9 x 7 feet and 8 x 7 feet test section, respectively. The test Reynolds number ranged from 1.6 to $2.5 \times 10^6/\text{ft}$ and 0.6 to $2.0 \times 10^6/\text{ft}$, respectively.</p> <p>The tests were conducted in support of the development of the Shuttle Entry Air Data System (SEADS). In addition to modeling the 20 SEADS orifices, the wind-tunnel model was also instrumented with orifices to match Development Flight Instrumentation (DFI) port locations that existed on the Space Shuttle Columbia (OV-102) during the Orbiter Flight test program. This DFI simulation has provided a means for comparisons between reentry flight pressure data and wind-tunnel and computational data.</p>					
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